

LIST OF PUBLICATIONS / PRESENTATIONS

Dr. A.V. Manolescu

Number	Author	Title
1.	A. Moisin	"The Determination of Thermodynamic Activity in Mixture of Liquid Electrolytes", B.Sc. Thesis , University of Bucharest, 1960.
2.	A. Geangu-Moisin D. Cismaru	"The Oxidation of Tungsten in CO ² (I)", Rev. Romaine de Chimie , 11, 777 (1966).
3.	A. Geangu-Moisin D. Cismaru	"The Oxidation of Tungsten in CO ² " (II), Rev. Roumaine de Chimie , 12, 1425 (1967).
4.	A. Geangu-Moisin	"The Oxidation of Tungsten in CO ² " (III), Rev. Roumaine de Chimie , 14, 29 (1969).
5.	A. Geangu-Moisin	"The Oxidation of Tungsten in Air", Rev. Roumaine de Chimie , 16, 1179, (1971).
6.	P.Ferloni A. Geangu-Moisin P. Franzosini M.Rolla	"Some Remarks on Methylformate +n-alkanes Binary System, Z. Naturforsch. , 25a, 457 (1970).
7.	Same as above	"Binary Systems Containing Hydrocarbons", Z. Naturforsch. , 26a, 1713 (1971).
8.	A.Geangu-Moisin	"The Influence of Ageing of NiO on Nickel Oxidation", Transfer Thesis from Master Degree to Ph.D Program , McMaster University, October 1973.
9.	A.V. Manolescu W.W. Smeltzer	"Microstructure of Nickel Oxide Films and Scales on Nickel", 27th Canadian Metal Physics Conference , Kingston 1977.
10.	A.V. Manolescu	"Growth and Structure of Nickel Oxide on Polycrystalline Nickel", Ph.D. Thesis , McMaster University, August 1977.
11.	A.V. Manolescu P. Mayer	"High Temperature Corrosion of Boiler Construction Materials in Simulated flue Gas Containing Hydrogen Chloride", Annual Conference of Metallurgists , Canadian Institute of Mining and Metallurgy, Montreal, Quebec, August 1978.
12.	P. Mayer A.V. Manolescu	"Growth and Structure of Indigenous Magnetite on Boiler Tubes," The Seventh International Congress on Metallic Corrosion , Rio de Janeiro, Brazil, October 1978.
13.	A.V. Manolescu P. Mayer	"Influence of Hydrogen Chloride on Corrosion of Boiler Steels in Synthetic Flue Gas," Corrosion /79 , Atlanta, Georgia, March 1979.
14.	R.B. Dooley A.V. Manolescu	"Exfoliation of Superheater/Reheater Tubes from Lambton TGS", ASME Task Group on Solid Particle Erosion of Steam Turbines , Chicago, October, 1979
15.	A.V. Manolescu P. Mayer	"Structure and Composition of Protective Magnetite on Boiler Tubes," Corrosion/80 , Chicago, Illinois, March 1980.
16.	A.V. Manolescu P. Mayer	"Formation of Magnetite in High Pressure Boilers," Electrochemical Society Meeting , St. Louis, Missouri, May 1980.
17.	P. Mayer A.V. Manolescu	"Influence of Hydrogen Chloride on Corrosion of Boiler Steels in Synthetic Flue Gas," Corrosion , Vol 36, No 7, pp 369-373 (1980), July.
18.	P. Mayer H.J. Westwood A.V. Manolescu	"Corrosion-Related Problems in Fossil-Fired Boilers, ASM Conference- Materials to Satisfy the Energy Demands , Harrison Hot Springs, BC, September 1980.
19.	R.B. Dooley F.M. Somerset V.R.D. Miller A.V. Manolescu	"Ontario Hydro, Experience with Solid Particle Erosion of Steam Turbines", The Workshop on SPE sponsored by ASME/ASTM/MPC and EPRI, Atlanta, May 1980.
20.	A.V. Manolescu	"Oxide Studies Related to Pressure Tube Crevice Corrosion," poster paper, Fuel

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Number	Author	Title
	P. Mayer	Information Meeting , Pinawa, Ontario, November 1980.
21.	P. Mayer H.J. Westwood A.V. Manolescu	"Corrosion Related Problems in Fossil Fired Boilers," The Journal of Materials for Energy Systems , Vol 2, No 1, pp 55-64 (1980) June.
22.	A.V. Manolescu P. Mayer	"Effect of Lithium Hydroxide on Corrosion Rate of Zirconium-2.5 wt % Niobium in 340°C Water," Corrosion/81 , Toronto, Ontario, April 1981.
23.	P. Mayer A.V. Manolescu	"Role of Structural and Compositional Factors in Corrosion and Exfoliation of Ferritic Steels in Steam," The International Conference on High Temperature Corrosion , San Diego, California, March 1981.
24.	A.V. Manolescu P. Mayer	"Corrosion of Zirconium-2.5 wt % Niobium in Changing pH Lithiated Water at 340 °C," The 8th International Congress on Metallic Corrosion , Mainz, West Germany, September 1981.
25.	A.V. Manolescu M. Zeya P. Mayer	"Influence of Nickel on Scaling and Spalling Resistance of Alloys Used in Boilers," Annual Conference of Metallurgists , Canadian Institute of Mining and Metallurgy, Hamilton, Ontario, August 1981.
26.	P. Mayer A.V. Manolescu E.M. Rasile	"Role of Fluorides in Internal Corrosion of High Pressure Boilers," Seventh Inter-American Conference on Materials Technology , Mexico City, Mexico, October 1981.
27.	P. Mayer A.V. Manolescu E.M. Rasile	"Corrosion of Medium Carbon Steel in Aqueous Solutions Containing Fluoride Ions at 300C " Corrosion/82 , Houston, Texas, April 1982.
28.	A.V. Manolescu M. Zeya P. Mayer	"Influence of Nickel on Scaling Resistance of Alloys Used in Boilers," Corrosion/82 , Houston, Texas, April 1982.
29.	P. Mayer A.V. Manolescu	"Hydrogen Absorption During Corrosion of Zirconium Alloys in Concentrated Alkaline Aqueous Solutions at 340C," Hydrogen in Metals, 3rd World Congress , Paris, France, June 1982.
30.	A.V. Manolescu P.Mayer	"Influence of nickel on Scaling resistance of 2 1/4 Cr-1Mo Boiler Tube Alloys," Material Performance , 9, Sept 1982.
31.	P. Mayer A.V. Manolescu S.J. Thorpe B. Ramaswami	"Influence of HCl on Corrosion and Mechanical Properties of Boiler Construction Steels in Synthetic Flue Gas at Elevated Temperatures", Conference on Corrosion in Coal Conversion Systems , London, England, May 1982.
32.	A.V. Manolescu P. Mayer C.J. Simpson	"Effect of Lithium Hydroxide on Corrosion Rate of Zirconium-2.5 wt % Niobium in 340 ° C Water", Corrosion , Vol 38, No 1, pp 23-32 (1982)
33.	A.V. Manolescu P. Mayer	"Oxidation of Boiler Tube Construction Materials", Annual Conference of Metallurgists, Canadian Institute of Mining and Metallurgy , Toronto, Ontario, August 1982.
34.	P. Mayer A.V. Manolescu	"Corrosion Mechanism of Zirconium Alloys in Alkaline Solutions at Elevated Temperatures", Corrosion/83 , Anaheim, California, April 1983.
35.	P. Mayer A.V. Manolescu S.J. Thorpe	"Influence of Hydrogen Chloride on Corrosion and Corrosion-Enhanced Cracking Susceptibility of Boiler Construction Steels in Synthetic Flue Gas at Elevated Temperatures", Corrosion Resistant Materials for Coal Conversion Systems , Pages 87-104, D.B. Meadowcroft and M.S. Manning Editors, Applied Science Publishers, 1983.
36.	P. Mayer	"The Role of Structural and Compositional Factors in Corrosion of Ferritic Steels in

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Number	Author	Title
	A.V. Manolescu	Steam", High Temperature Corrosion , Pages 368-379, R.A. Rapp, Editor, National Association of Corrosion Engineers, NACE-8, 1983.
37.	P. Mayer A.V. Manolescu	"The Application of Hydrogen Measurement Technique for Monitoring of Corrosion in High Pressure Boilers", Corrosion/84 , New Orleans, April 1984.
38.	P. Mayer A.V. Manolescu	"Coal Fired Power Plant Fireside Problems", Corrosion/84 , New Orleans, Louisiana, April 1984.
39.	P. Mayer A.V. Manolescu	"Corrosion of Zirconium Alloys in Alternating pH Environment", Conference of Metallurgists , Canadian Institute of Mining and Metallurgy, Quebec City, August 1984.
40.	A.V. Manolescu P. Mayer	"Morphological and Elemental Analysis of Indigenous and Deposited Scales in Boilers", 9th International Congress on Corrosion , Toronto, Ontario, June 1984.
41.	P. Mayer A.V. Manolescu	"Measurement of Dissolved Hydrogen to Monitor Corrosion in High Pressure Boilers" Materials Performance , Vol 24, No 2, pp 38-46 (1985).
42.	V.D. Miller A.V. Manolescu	"Maintenance Strategies and Specific Design Changes to Ontario Hydro's Lambton TGS Coal Fired Units to Mitigate the Effects of Solid Particles Erosion", Workshop on Solid Particle Erosion , Chattanooga Tennessee, November 1985
43.	F.A. Elrefaie A.V. Manolescu W.W. Smeltzer	"Oxidation of Nickel in the Temperature Range 1073-1500 K", J. of Electrochem Soc. , 132, 2489 (1985).
44.	P. Mayer A.V. Manolescu	"Recognition of Corrosion Related Water-side Boiler Problems", NACE Regional Conference , Montreal, Quebec, November, 1985.
45.	P. Mayer A.V. Manolescu E.M. Rasile	"Pressure Tube Crevice Corrosion at Bearing Pads", Fuel Channel Technology Seminar AECL-OH , Oakville, Ontario, September 1985.
46.	A.V. Manolescu F. Chiarotto P. Mayer	"Corrosion of Low Pressure Feedwater Heater Tubing - A Case History", Corrosion/86 , NACE Annual Conference, Houston, Texas, March 1986.
47.	F. Chiarotto A.V. Manolescu D. Sidney P. Mayer	"An Investigation of Low Pressure Feedwater Heater Tube Failure", The Joint Power Generation Conference , Portland, Oregon, October 1986.
48.	V.F. Urbanic B.D. Warr A.V. Manolescu C.K. Chow	"Oxidation and Deuterium Uptake of Zr-2.5Nb Pressure Tubes in CANDU PHW Reactors " Eight International Symposium on Zirconium in the Nuclear Industry , San Diego, June 1988
49.	A.V. Manolescu P. Mayer S. Krishnasamy E. DiBlasio M. Eygenraam	"High Temperature Superconductor/Metallic Conductor Contacts for High Current Applications in the Power System", 3rd Canadian Conference on High Temperature Superconductivity , Montreal, Quebec, May 1990.
50.	P. Mayer A.V. Manolescu	"Oxidation of Boiler Tube Steels in Steam", International Symposium on High Temperature Oxidation and Sulphidation Process held at Annual Conference of Metallurgists , Canadian Institute of Mining and Metallurgy, Hamilton, Ontario, August 1990.
51	A.V. Manolescu	"HTSC/Metal Contacts " Presentation to Government funding Committee for

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Number	Author	Title
		HTSC, Kingston, May 1990.
52.	A.V. Manolescu J.O. Noga L. Mannik	"Laser Modified Coating Materials for Advanced Energy systems", 3rd International Seminar on Functional Coatings in Industry , 1990.
53.	J. O. Noga A.V. Manolescu L. Mannik	"Development of Oxidation Resistant Coatings by Plasma Spray / Laser Remelting," 3rd Eastern NACE Conference , Toronto, November 1993.
54.	J.O. Noga A.V. Manolescu	"Development of Coatings for Electrical Utility Uses " AIMAF Conference , 1993.
55.	A.V. Manolescu D.McNabb E. Small A.Park	Scaling Behaviour of Novel Ferritic Tubes from Lambton TGS, 31st Conference of Metallurgy 1992, Edmonton, Alberta.
56.	A.V. Manolescu R. Gutthardt J. Jackman	"New Metallographic Technique to Identify Chromium Depletion within Austenitic Steels" 1993 International Metallographic Contest , Charleston, July 1993 (Third prize).
57.	A.V. Manolescu	"Assessment of Internal Surface Condition of Waterwall Tubes from Ontario Hydro's Fossil Fired Boilers, Contribution to a Manual for Station Chemists , May 1993.
58.	M.D. Wright A.V. Manolescu	"Lead Induced SCC of Alloy 600 in Plausible Steam Generator Crevice Environments", Third International Steam generator and Heat Exchanger Conference , Toronto, June, 1998.