

**CURRICULUM VITAE**  
**Maria Helena R. B. Martins**  
Brazilian

Position: Air Quality Evaluation Technology Division Manager  
Institution: Companhia de Tecnologia de Saneamento Ambiental – CETESB  
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**1. Academics**

- Bachelor's Degree in Chemistry - graduated from Instituto de Química da Universidade de São Paulo on December of 1982
- Specialist's Degree in Environmental Management – from Faculdade de Saúde Pública da Universidade de São Paulo on December of 2002

**2. Foreign Languages**

- English - Intermediate Level
- French – Intermediate Level

**3. Professional Experience**

- *CETESB* – since May, 2007  
Occupation: Air Quality Evaluation Technology Division Manager.  
Field: Supervise air quality and stationary sources technical group
- *CETESB* – May, 1995 – May, 2007  
Occupation: Air Sampling and Analysis Sector Manager  
Field: Supervise air sampling and analysis laboratory
- *CETESB* – January, 1985 – May , 1995  
Occupation: Chemist in Air Sampling and Analysis Sector  
Field: Sampling and analysis of air pollutants
- *CETESB* – April, 1983 - January, 1985  
Occupation: Chemistry Analyst in Bioassays Laboratory

**4. Professional Improvement Courses**

- Air Pollution Workshop - November, 1991 – New Brunswick (U.S.A.)
- Air Pollution Control - March- June, 1994 – Yokkaichi (Japan)

## 5. Main Publications

- "Determination of Trace Elements in Aerosol Samples by Instrumental Neutron Activation Analysis", Paiva R.P., Munita C.S., Cunha I.L., Alonso C.D., Romano J., Martins M.H.R.B., *Human Press Journal*, Vol. 26 and 27, pg 23, and *Biologia Trace Elements Research* - 1990.
- "A Contribution to the Characterization of the Aerosol Sources in Sao Paulo" - Brazil. , Paiva R.P, Munita C.S, Cunha I.L., Alonso C.D, Romano J.,Martins M.H.R.B., *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 167 nº 2, pg. 295-307- 1993.
- "Understanding the Air Pollution Problem in Sao Paulo Metropolitan Area by Receptor Modeling" presented with Alonso C.D., Romano J. e Godinho R. at 9th World Clean Air Congress and Exhibition - Montreal- Canadá - 1992.
- "Ethanol Induced Changes in the Atmospheric Lead in São Paulo Metropolitan Area - Brazil" presented with Alonso C.D., Romano J. and Godinho R. at 9th World Clean Air Congress and Exhibition - Montreal- Canadá - 1992.
- "Atmospheric Measurements of Aldehydes and Carboxylic Acids in São Paulo Metropolitan Area – Brazil". presented at V Congresso de Quimica de America del Norte. Cancun/Mexico 1997.
- "São Paulo Aerosol Characterization Study". Alonso C. D., Godinho R., Martins M.H. R. B. and Romano J. , *Journal of the Air & Waste Management Association vol 47-* 1997.
- "Study of Atmospheric Ozone Formation by Means of a Neural Network-Based Model". Guardani R., Nascimento C. A . O., Guardani M. L. G., M.H.R.B. Martins and Romano J., *Journal of the Air & Waste Management Association vol.49* – 1999.
- "Survey of Volatile Organic Compounds Associated with Automotive Emissions in the Urban Airshed of São Paulo, Brazil". Colon M., Pleil J. D., Hartlage T. A.,Martins M.H.R.B and Guardani M. L. G. *Atmospheric Environment vol.35* - 2001.
- "Evolution of Air Quality in São Paulo Metropolitan Area and its Relation with Public Policies", Martins M.H.R.B., Anazia R., Guardani M.L.G., Lacava C.I., Romano J. e Silva S.R. no *Int. J. Environment and Pollution*, Vol. 22, n.4 - 2004.
- "Emission Factors for Gas-Powered Vehicles Traveling through Road Tunnels in São Paulo, Brazil" Martins, L.D., Andrade M.F., Freitas E.D., Pretto A., Gatti L.V.,Albuquerque E.L., Tomaz E., Guardani M. L., Martins. M.H.R.B., Junior O.M.A, *Environ. Sci. Technol.vol.40*, pg. 6722 - 2006.
- "Mutagenicity and DNA adduct formation of PAH, nitro-PAH, and oxy-PAH fractions of atmospheric particulate matter from São Paulo, Brazil", Umbuzeiro G.A., Franco A., Martins M.H.R.B, Kummorow F., Carvalho L., Schmeiser H.H., Leykauf J., Stiborava M. and Calxton L., *Mutation Research vol.652*, pg. 72 - 2008.