

## CURRICULUM VITAE



### **MIRCEA ANTON**

#### **Education:**

- Ph.D. in Chemistry at Babes-Bolyai University, Cluj, Romania, 1993-1996
- Babes-Bolyai University, Faculty of Physics, 1976-1981

#### **Employment history:**

- 2005-present – Lecturer at the Faculty of Environmental Science, Babes-Bolyai University- courses and laboratories of Environmental Physics, Environmental Quality Control, Radioactivity, research in Gas Sensors and Nanogold particles domains.
- 2001-2005- High school Physics professor at National College Emil Racovita-Cluj, pedagogical and didactical activities, preparation of the best students for the National Olympics of Physics
- 1994-2000-manager and researcher at Senzorex Ltd., 3 employees.Developed CO, CH<sub>4</sub>, hydrocarbons gas detectors from prototype to mass production.Participated to national fairs, sales on the Romanian market.
- 1984-1993- senior researcher at Research Center for Analytical Chemistry, chief of “Sensors” department.Developed high precision installation for obtaining gas standards in the air.Developed an original technology for manufacturing SnO<sub>2</sub> gas sensors, including preparation of the sensing material, catalysts, sinterisation, electrodes, terminals.Worked on miniaturization of gas sensors.Characterised the gas sensors:temperature of operation, sensitivity, selectivity, stability.Familiarised with vacuum installation and thin film deposition.Author of two patents in the field.

#### **Other abilities**

Good English and French