

**A.(Tony) Pizzi**  
**Professor of Industrial Chemistry**  
**Curriculum Vitae**

**Qualifications**

- 1970 Dr.Chem.( University of Rome, Italy). Physical chemistry og organo-biological polymers. Thesis on '*Conformational aspects of l-alanine preceding proline in polypeptide sequences*'. promoter: Prof. A.M.Liquori.
- 1978 Ph.D. Organic Chemistry (University of the Orange Free State, Bloemfontein, South Africa). Organic Chemistry. Thesis on '*Chemistry and technology of cold and thermosetting wattle tannin based wood adhesives*'. promoter: Prof. D.G.Roux
- 1985 D.Sc. (University of Stellenbosch, South Africa). Wood Science, specialisation wood chemistry. Thesis on '*Advances in wood chemistry - adhesives, preservation and polymer structures*'. No promoter.

**Positions held**

Professor (Chair) of Industrial Chemistry, ENSTIB (School of Wood Engineering), University of Lorraine, Epinal, France, 1995 to present, and Deputy Director LERMAB (2004-2008). Head of physical chemistry and polymer team of LERMAB (2009 - to 2013).

Professor ('*ad hominem*' Chair) of Polymer Chemistry, Dept. of Chemistry, University of the Witwatersrand, Johannesburg, South Africa, 1989 to 1995.

Head, Dept. of Chemistry, University of the Witwatersrand, Johannesburg, South Africa, 1991 to 1993.

Director, Division of Processing and Chemical Manufacturing Technology (composed of the national institutes for Chemistry, Timber and Textiles for a total of 320 researchers), Council for Scientific and Industrial Research (CSIR), Pretoria, South Africa, 1987 to 1989.

Director, National Timber Research Institute, Council for Scientific and Industrial Research (CSIR), Pretoria, South Africa, 1984 to 1987.

Assistant Director, National Timber Research Institute, Council for Scientific and Industrial Research (CSIR), Pretoria, South Africa, 1983 to 1984.

Head, Adhesives and Wood Glueing Section, National Timber Research Institute, Council for Scientific and Industrial Research (CSIR), Pretoria, South Africa, 1981 to 1984.

Head, Composite Products Section, National Timber Research Institute, Council for Scientific and Industrial Research (CSIR), Pretoria, South Africa, 1978 to 1980.

Researcher, project leader, Adhesives and Wood Glueing, National Timber Research Institute, Council for Scientific and Industrial Research (CSIR), Pretoria, South Africa, 1976 to 1978.

Head of Research, Isoroy-Novobord particleboard factory, Port Elizabeth, South Africa, 1971-1976.

**Research**

- Wood Adhesives: development, polymerisation, analysis, compounding and glue-mixing, application, interactions at the interface, trouble-shooting.

- Wood Preservation: mechanisms of interaction preservatives-wood, environment friendly preservatives
- Polymer Chemistry
- Glueing technology
- Panel Products
- Chemistry of Wood Preservatives and Wood Preservation
- Wood Chemistry
- Structure of Wood Constituents

### **International prizes, awards and honours**

- 1980.Forest Products Research Society (USA) Bark Award
- 1985.Forest Products Research Society (USA) Markwardt Wood Engineering Award
- 1986.2° place, TRADA (UK) Sir Stuart Mallison Medal for Timber Research
- 1986.CSIR (Council for Scientific and Industrial Research)(South Africa) prize
- 1986.FOYSA (Johannesburg Junior Chamber of Commerce) prize( South Africa)
- 1987.2° prize, National Productivity Institute, Johannesburg, South Africa
- 1988.3° prize, National Productivity Institute, Johannesburg, South Africa
- 1990.International Union of Forestry Research Organizations (IUFRO) Scientific Achievement Award (delivered in Montreal, Canada)
- 1996-onward. Mentioned, Marquis Who's Who in the World
- 2000.Finalist, 1<sup>st</sup> René Descartes Research Prize of the European Commission (in Brussels, Belgium)
- 2000.Chevalier des Palmes Academiques, France
- 2005.Schweighofer Wood Technology Innovation Prize (Austria)
- 2005.Finalist Prize, René Descartes Research Prize of the European Commission (in London, UK)
- 2005.Grand Prix de la Recherche, Societé Industrielle de l'Est (France)
- 2006.Cofinalist Prize, Swiss Technology Award (Switzerland).
- 2008 Josef Umdasch Research Prize (Austria)
- 2013 ISI Thomson Highly Cited Scientist, Nr 46 in the world in Materials Science
- 2013 Fraunhofer Geselleschaft "German High Tech Champion-Green Development" (Germany)
- 2013 Gold Medal, Academie de l'Agriculture de France (France)

### **Other information of interest**

- Secretary, International Academy of Wood Science (1992-1996)
- Board member, International Academy of Wood Science (1987-1996)
- Chairman, Adhesives and Wood Glueing working party, IUFRO (1986 to 2000)
- Co-chairman, Adhesives and Wood Glueing working party, IUFRO (1981-1986)
- Chairman, COST Action E13 on Wood adhesives and Wood glueing, European Commission (1998-2002)
- Advisory Editorial Board, Holzforschung (Germany) (1992 to present)
- Advisory Editorial Board, Holz als Roh- und Werkstoff (Germany) (1997 to present)
- Advisory Editorial Board, J. of Wood Chemistry and Technology (USA) (1981 to present)
- Advisory Editorial Board, J.Adhesion Science and Technology (USA) (1986 to present)
- Advisory Editorial Board, Int.J. of Adhesion and Adhesives (UK) (1981 to present)
- Advisory Editorial Board, J. of Wood Science (Mokuzai Gakkaishi, English version) (Japan)(1998 to present)
- Advisory Editorial Board, Maderas: Ciencia y Tecnologia (Chile), (2003 to present)

**Languages:** English, Italian, French, Spanish, Flamish

**M.Sc. supervised : 50**

**Ph.D. supervised: 45 completed + 2 running**

**Publications:** International Refereed Journals: 686 appeared + 2 accepted

Patents : 35

Conference proceedings : 70

Books : 7 published in New York

Books chapters: 35