

## *CV Alexandre Tiedtke Quintanilha*

**Name:** ALEXANDRE Tiedtke QUINTANILHA

**Born:** 9 August 1945 in Lourenço Marques (now Maputo), Mozambique

### **Education**

B.Sc. 1966 (Physics & Mathematics) Witwatersrand Univ., Johannesburg  
B.Sc. (Hons) 1968 (Theoretical Physics) Witwatersrand Univ.  
Ph.D. 1972 (Solid State Physics) Witwatersrand Univ.  
D.Sc. (equiv) 1981 (Biophysics) University of Porto, Portugal

**Areas of Scientific interest:** *Physiological Stress* in animals, including humans, microorganisms and ecosystems. Cellular and molecular targets, defense mechanisms, adaptation and regulation... Science and Society

### **Professional Appointments**

1971 University of Paris XI, Orsay, France  
Visiting *Chercheur*, Physique des Solides

1972-91 University of California at Berkeley, California  
*Faculty Member* in several Graduate Groups  
*Adjunct Professor of Physiology*, Molecular & Cell Biology Dept  
and Lawrence Berkeley National Laboratory, California  
*Assistant Director*, Energy and Environment Division  
*Director*, Center for Environmental Studies

1991- University of Porto, Portugal  
*Professor of Biophysics*, Biomedical Institute (ICBAS)  
*Science Dean* (ICBAS) (1993-99)  
*Director*, Institute for Molecular and Cell Biology (IBMC)  
*President*, Institute of Biomedical Engineering (INEB)  
*Spokesperson*, Council of Associated Laboratories (CLA)

### **Publications** (*peer-reviewed*)

- Over 150 publications in International Journals.
- Editor/author of 6 Volumes in areas of *Stress* and *Environment*.
- *Encyclopedia of Applied Physics* Editorial Consultant (23 Volumes)
- On the Editorial Board of several International Journals

### **Educational Activities**

- Over 200 thesis committees (M.Sc. Ph.D.) and Professorship selection committees.
- Organizer of over 150 *Symposia*, *Workshops*, & *Summer Schools*
- Over 300 talks on issues relating to climate change, genetic engineering & social impact of science and technology

### **Appointments, Nominations and Honours**

- Nominated for the Miller Institute Fellowship at UC Berkeley (1974)



- Nominated for Bioenergetics Award, Biophysical Society(1979)
- Elected to the International Cell Research Organization (1984)
- Invited speaker at several Gordon Research Conferences in N.H. and Calif. (1977-)
- President of the Portuguese Society of Biochemistry (1991-1997)
- National Delegate to the OECD Working Party on Biotechnology (1991-)
- Member of the Collaborative Research Grants Advisory Panel of NATO (1992-95)
- Member of the Scientific Council, NOVARTIS (formerly CIBA) Foundation (1992-)
- National Coordinator, University-Entrance Exams in Biology, Portugal (1993-96)
- Elected to the Academia Europaea (1994)
- National Delegate to the IV Biotechnology Framework Programme Committee, EC (1994-99)
- Board Member, European Association for Higher Education in Biotechnology (1996-)
- Elected Chairman, ELSA (Ethical, Legal and Social Aspects) DG XII - EC (1996-1999)
- Elected to the World Academy of Art and Science (1997)
- Elected to Bureau of ESTA (European Science & Technology Assembly) (1997-2000)
- Member of Consultive Council, FLA (Luso-American Found. for Develop.) (1997-)
- Elected Corresponding Member, Portuguese Academy of Medicine (1999)
- Chair, Scientific Council, Pavilion of Knowledge – Interactive Science Museum, Lisbon (1999-)
- Member of the Science and Society Committee of FEBS (Federation of European Biochemical Societies) (2002-)
- Member of the Women in Science Committee of FEBS - (2002-)