

## **Gregoire Nicolis**

**1939 - 2018**

**Born** : Athens, Greece

September 11, 1939



### **Education**

Electrical Engineering, National Technical University of Athens (1962)

Graduate degree in Theoretical Physics, University of Brussels (1963)

Ph. D. in Physics, University of Brussels (1965)

### **Fields of research**

The research of G. Nicolis extends to the broad areas of Nonlinear Dynamics, Complex Systems, Irreversible Phenomena, Thermodynamics and Statistical Mechanics.

### **Academic Appointments**

- Professor at the Université Libre de Bruxelles (1968-2004)
- Director of the Service de Chimie Physique (1988-2004)
- Founder and director of the Interdisciplinary Center for Nonlinear Phenomena and Complex Systems, Université Libre de Bruxelles
- Since 2004 Professor Emeritus, Université Libre de Bruxelles
- Visiting Professor at the Universities of Texas (1972), Oregon (1976), Notre-Dame (1976), Paris (1975, 1986, 1991) and Geneva (1979).
- Francqui chair Professor at the University of Louvain (1989-90).
- Member of the Physical Chemistry Committee of the Belgian Science Foundation (1976-1991), of the Advisory Board of Laboratories of the Max-Planck Society and of the French Science Foundation.

- Member of the Editorial Board of *Biophysical Chemistry* (1976-1991) ; *Journal of Nonequilibrium Thermodynamics*; *Journal of Statistical Physics* (1982-1991); *Advances in Chemical Physics*; *Dynamics and Stability of Systems*; *Bifurcation and Chaos*; *Chaos, Solitons and Fractals*.

### **Honorary Appointments, Awards**

- Théophile De Donder prize of the Belgian Royal Academy (1970).
- Associate member of the Classe des Sciences of the Royal Academy of Belgium
- Member of the European Academy of Sciences
- Member of Academia Europaea
- Corresponding member of the Academy of Athens
- Honorary professor of the Faculty of Science of the University of Chile
- Corresponding member of the Academy of Sciences of Chile
- Member of the European Science and Technology Assembly (1994-97).
- Member of the Physics panel of Marie Curie fellowships of the European Commission (1996-99).
- Member of the evaluation panel of the NEST program of the European Commission (2004-2006).
- Member of the European and American Physical Societies,

### **Publications**

G. Nicolis authored five books, about 300 papers published in international scientific journals, and was editor of thirteen collective volumes.

### **Books:**

1. G. Nicolis and I. Prigogine, "Self-Organization in Nonequilibrium Systems", Wiley, New York (1977).

Translated in : Russian, Japanese and Italian.

2. G. Nicolis and I. Prigogine, "Exploring Complexity", Freeman, New York (1989) ; German edition "Die Erforschung des Komplexen", Piper, Munich (1987); also translated in Chinese (1986), Italian (1991) and French (1992).
3. G. Nicolis, "Introduction to Nonlinear Science", Cambridge University Press, Cambridge (1995).
4. G. Nicolis, "Dynamique Chimique: Thermodynamique, cinétique et mécanique statistique", Dunod, Paris (2005).
5. G. Nicolis and C. Nicolis, "Foundations of Complex Systems: Nonlinear Dynamics, Statistical Physics, Information and Prediction", World Scientific Singapore. First edition (2007), second edition (2012).