

CURRICULUM VITAE

PERSONAL INFORMATION

Name: Vadineanu Angheluta
Nationality: Romanian
Date of Birth: 31.07.1946

EDUCATION AND TRAINING

- Institution UNIVERSITY OF BUCHAREST/ FACULTY OF BIOLOGY
- From (month/ year) September 1967
June 1972
- To (month/ year) September 1975
June 1980
- Degree(s) or Diploma(s) B. Sc. and M. Sc. in Biology / Ecology
PhD in Ecology
- Training:
 - October 1974/ July 1975 - Biochemistry /BCP Janssen Institute/ University of Amsterdam/ NL
 - September 1989/ November 1989 - Fresh Water Ecology and Environment University of Nevada / Las Vegas & US-EPA Laboratories at Las Vegas and Corvallis / Oregon
 - June/ July 1991 - Environment and Sustainable Development, USIA

WORK EXPERIENCE

- Name and address of employer:
UNIVERSITY OF BUCHAREST
Bdul KOGALNICEANU 36-46, postcode: 050107, sector 5, BUCHAREST
From 1972-1990 and 1993-to date

GOVERNMENT OF ROMANIA

From: July 1990 to December 1992

- Position held:
 - Director - Research Centre in Systems Ecology and Sustainability / University of Bucharest (2011-)
 - Director – Department of Systems Ecology and Sustainability (1997-2011)
 - UNESCO-COUSTEAU Chair Holder (1992-present)
 - Vice-Chairman - National University Research Council (NURC) (1995-2007)
 - Chairman - National MAB Committee (1990-2002)
 - Dean - Faculty of Biology (1992-1996)
 - Secretary of State for Environment (1990-1992)
 - Professor - Faculty of Biology/Ecology (1990-present)
 - Lecturer - Faculty of Biology/Ecology (1981-1989)
 - Assistant - Faculty of Biology/Ecology (1973-1980)
- **Main activities and responsibilities in research area:**
 1. Biological Ecology – testing and applying biochemical indicators for the estimation of biomass (phyto and bacterioplankton) and the adaptive potential of benthic chironomids to different degrees of hypoxia in freshwater ecosystems (e.g. Danube Delta); population ecology – structure, processes and services of dominant benthic chironomids; community ecology – trophic structure, energy flow and nutrient cycling in Danube delta's shallow lakes (1975-1980).
 2. Ecosystem Ecology – development or / and applying the ecosystem theory and analytical models for:
 - i) understanding dynamics of structural configuration and functional regime of the Lower Danube River Wetlands (LDRW) including Danube Delta and Razim-Sinoe Lagoons, and catchment (LDRC);
 - ii) understanding and assessment the role of biological diversity for the ecosystems and land-waterscapes functions and services;
 - iii) identification and assessment the impact of critical human drivers and pressures in the Danube river catchment on LDRW, Danube Delta and Black Sea (e.g. Nutrient balance in the Danube River Catchment; The impact of nutrient discharges of Danube river on North-Western Black Sea and Marmara Sea) / 1980/1998
 3. Systems Ecology and Sustainability – development and applying conceptual and analytical modeling

for understanding dynamic and complex interactions within and among socio-ecological complexes, nested each other across Danube river and Black Sea watersheds; designing and promoting first decision support or science and policy interface for understanding and operationalisation the goals of 3D-Sustainability in the Lower Danube River Catchment, including first monetary valuation of eight of most critical services and alternative scenarios regarding structural configuration of Lower Danube River and North-Western Black Sea Land-waterscapes / 1998-to date.

- **Publishing**

More than 130 scientific papers were published in Peer-Reviewed Journals, 15 contributions to scientific books published in Springer, Wiley – Blackwell, CRC-Press, Island Press, Backhuys, 7 books from which 2 in English, as single or co-author and many scientific reports and background papers.

- **Policy and institutional development and management**

1. Higher Education and Research

- Policy development and implementation concerning the Reform of National System for Higher Education and Research – member of Steering Committee for Evaluation and Accreditation / 1992 /2011

- Vice-chairman of National University Research Council / 1994/2007

- Institutions – Establish according with the national and UB (University of Bucharest) strategies and policies and the UNESCO initiatives the Department of Systems Ecology and Sustainability and UNESCO – Cousteau Chair of Ecotechnie / Sustainability having the mission for education and training human resources for understanding holistic and adaptive management of the dynamic relationships between “Environment / Nature and Human created Systems” / Environment ↔ Development;

- Leading role in the development and implementation a multi and transdisciplinary Master Curriculum for Ecotechnie / “3D Sustainability” of Socio-Ecological Complexes (1993- to date);

- Leading and coordination the networking process at national scale of Research Institutes and Universities and their logistics for in situ observation and experimentation in order to establish: i) Romanian Network of platforms for Long Term (Social) Ecological Research (Ro-LT(S)ER / 2001 and; ii) Institutional Network for LT(S)ER and LifeWatch / 2010)

- Active involvement for designing, development and coordination the European Networks of: i) in situ Long Term Social – Ecological research platforms /EU – LT(S)ER-net/2007, and; ii) Institutes / Research centers / Universities or “European Virtual Institute” for multi and transdisciplinary research of complex relationships between nature and humans across space and time scale / 2009.

Since formal establishment I am representing UB and Ro-Institutional network in the Coordination Council.

- Similar role I played in the global networks for Long Term Ecosystem Research (ILTER) since 2003. I am representing RO-LT(S)ER network in the IILTER Coordinating Committee

- Scientific coordination of the UB – research team involved in more than 15 collaborative research projects within EU Framework Programme and more than 5 domestic research projects focused on understanding processes and resilience in terrestrial and aquatic ecosystems under direct human impact and global changes and on designing and development Decision Support Systems for integrated and adaptive management of socio-ecological complexes

2. Nature conservation and sustainable development – involvement at national and international scales

- 2.1. Initiation and coordination the process of development and implementation first integrated Strategy and Action Plan for Environment in Romania / 1990-1992, including the Institutional infrastructure, in my capacity of Secretary of State

- I was directly involved and contributed in the preparatory work for nomination Danube delta and receiving for it the legal status of – Biosphere Reserve (UNESCO-MAB), World Heritage Site (WHC) and

- I contributed to get for one of the remnant wetland of Inland delta which is “Small Islands of Braila” the statut of Ramsar Site (2001) and Natural Park

- I was also deeply involved at the beginning of 1990s in the assessment of Danube River, Danube Delta and Black Sea status, and preparation and adoption of the Black Sea Convention and Danube river Programme.

- I had significant contributions in the elaboration and implementation of the National Strategies and Action Plan for Biodiversity Conservation and Sustainable Development

- 2.2. I have coordinated Romanian delegation involved in the preparatory work of UNCED / Rion 1992 and I was active also during the conference.