

CURRICULUM VITAE

Name and surname: MARINESCU ALEXANDRU GABRIEL

Date and place of birth: 21 jan. 1941 Focșani-Vrancea

Job and position:

1. UNIVERSITY OF PITEȘTI, FACULTY OF SCIENCES, Department of Ecology and Environmental Protection:

- Professor (1992 - 2011),
- Head of department (2008 - 2011),
- PhD supervisor (since 2005).

2. Institute of Biology – Bucharest: Center for Ecology, Taxonomy and Nature

- senior researcher degree I - (until 1 July 2005)
- Head of the Center for Ecology, Taxonomy and Nature Protection (until 1 July 2005)
- Scientific Secretary of the Institute (1976-1978)
- PhD supervisor (since 2003)

3. VASILE GOLDIS WESTERN UNIVERSITY, ARAD:

- Professor (until 1999),
- Head of the Biology Center (2003-2006),
- Vicedean of the Faculty of Natural Sciences (2002-2004).

4. UNIVERSITY OF BUCHAREST, FACULTY OF BIOLOGY

- Assoc professor (1999).

5. S.C.C.C.P. PERIS - ACADEMY OF AGRICULTURAL AND FORESTRY SCIENCES:

- senior researcher degree II (1974-1980),
- scientific secretary (1975-1980).

Studii:

- Elementary school no.14 Bucharest (1947-1954)
- High School “N.Bălcescu” (“Sf.Sava”) Bucharest (1954-1957)
- Faculty of Biology - University of Bucharest, Zoology specialty (1959-1964); Diploma thesis in Animal Physiology (1964)
- PhD Thesis (Animal Physiology) coordinated by Prof. N. SANTA (1967-1969) and Acad. Prof. E.A. PORA (1969-1973): "The influence of different internal and external factors on the energy metabolism of fish"

The positions held in the professional activity:

1. In research

In 1964, I was assigned by Government Commission of the Ministry of Education at the Institute of Biology Bucharest, at the Department of Animal Physiology, Animal Metabolism Sector, where I worked as a researcher for almost 41 years:

- intern researcher (1964-1969),

- scientific researcher (1969-1976),
- senior researcher degree III (1976-1990),
- senior researcher degree II (1990-1993),
- senior researcher degree I (1993-2005).

In the research activity we performed the following management functions:

- responsible for research topics (since 1966),
- head of research team (1972-1975), ISB Bucharest and SCCCPC Periș (1975-1980),
- scientific secretary (1976-1979 at SCCCPC Periș and Institute of Biology – Bucharest (1986-1987)
- head of Animal Physiology laboratory, Institute of Biology – Bucharest (1991-1997)
- head of Ecophysiology Laboratory, Institute of Biology – Bucharest (1997-1998)
- Deputy Head of the Ecology Center, Institute of Biology – Bucharest (1998-2005)
- manager of research projects (1974-2004)

2. Academic

- Associate professor - Ecological University Bucharest (1990-1992),
- Associate professor – University of Pitești, Faculty of Sciences (1992-1998),
- Professor – University of Pitești (1998-2011),
- Profesor titular la Universitatea Pitești (1999-2011).

In university education I fulfilled the following leadership functions:

- Head of the Nature Protection Research Center, University of Pitești (2003-2013),
- Head of Department of Ecology and Environmental Protection, University of Pitești (2008-2011),
- Head of the Biology Center, Vasile Goldis Western University, Arad (2003 - 2005),
- Vice-dean of the Faculty of Natural Sciences, Vasile Goldis Western University, Arad (2002-2005),
- Scientific Secretary of the Faculty of Ecological and Natural Sciences of the Ecological University, Bucharest (1990-1993),
- Secretary of the Animal Physiology Section of the Society of Biological Sciences (1984),
- Head of the Doctoral School of Biology at the University of Pitești (since 2010).

PhD supervisor (IN BIOLOGY): since 2003 at the Institute of Biology of the Romanian Academy and since 2006 at the University of Pitești.

Specializări în străinătate:

- fellowship - Alexander-von-Humboldt Foundation in Germany - specialization and documentation internships at universities and research institutes from Kiel, Hamburg, Hannover, Bremen, Bonn și Koblenz (1971-1972, 1973, 1976, 1978, 1982, 1984, 1988, 1990, 1991, 1993 și 1995)
- fellowship - DAAD: 1987, 1991, 1993, 1996, 1999 și 2003 at Max Plank Institute, (Ahrensburg, Koblenz) and University (Kiel, Oldendorf).
- fellowship - DFG (German Research Society) (1998).

Participation in scientific events:

- National, since 1964 I participated with papers (synthesis reports, communications, posters) in about 50 scientific events (1964-2013),

- International, since 1967 I have participated with scientific papers in specialized congresses, mainly organized by the German Society of Zoology (since 1975), as well as in Polonia, Rusia, Franta, Belgia, Serbia, Ungaria, Elvetia, Bulgaria.

Membership in scientific organizations:

- national:

- member of the Society of Biological Sciences in Romania (since 1966) and scientific secretary of the Department of Animal Physiology in SSB (since 1981),
- member of the National Society of Physiology (since 1992) and scientific secretary of the Bucharest Branch (since 1992),
- founding member of the Romanian Society of Ichthyology (since 2008).

- international:

- member (since 1973) and special member (since 1983) of the DZG (German Society of Zoology)
- member of the IAD (International Society for the Study of the Danube) (since 1968; deputy of the Romanian representative in this international organization during 2002-2004);
- founder and Head of the ECOPHYSIOLOGY Department of I.A.D. (2002, 2002-2004)

Main topics in the research activity:

1. Physiological mechanisms of adaptation of aquatic poikilothermic organisms to the environment (with special reference to fish) (1960-2014)
2. Aquatic ecotoxicology (1972-2014),
3. Energy metabolism in animals (1964-2014),
4. Respiratory metabolism in aquatic organisms (1960-2014),
5. Ecophysiology of poikilothermic aquatic organisms (including brackish and marine ones) (1967-2014),
6. Physiology of intermediate metabolism in fish (1971-2014),
7. The influence of environmental factors on the efficiency of breeding and food use in animals of zootechnical interest (1966-2006),
8. Physiology of digestion and reproduction in pigs (1975-1980).

More important achievements:

- about 240 scientific papers published in Romanian and foreign journals or supported at scientific events,
- 26 basic and applied research contracts (all as director or manager),
- elaboration (together with Acad.Prof.dr.doc.Dr.h.c. E.A.Pora, the leader of my doctoral thesis), of an original method for the unitary appreciation of the different values of the energetic metabolism in fish (NEW FOR SCIENCE),
- highlighting the influence of the nutritional factor on the activity of some enzymes in fish (NEWS FOR SCIENCE),
- highlighting the role of red blood cells in the process of biotransformation of xenobiotic substances in fish (NEW FOR SCIENCE),
- highlighting the role of enterocytes in the detoxification process by biotransformation of xenobiotics in fish (NEW FOR SCIENCE),
- highlighting a seasonal (annual) rhythm of the respiratory metabolism of fish are influenced by natural environment factors as well as internal factors,

- complex original ecophysiological (ecotoxicological) methodology for establishing the real degree of toxicity of some industrial wastewater,
- definition of an ecotoxicity pyramid (Marinescu-Kuennemann) (NEWS FOR SCIENCE),
- elaboration of an Adaptology course at the University of Pitesti since 2004 (NEW FOR EUROPE),
- obtaining live products by using a technology of freezing the semen of pigs (in PREMIERE FOR ROMANIA),
- elaboration of the Animal Physiology Course (in collaboration), University Pitesti (1994),
- idem of the Practical Works of Zoophysiology (sole author), at the University of Pitesti (1998),
- elaboration and printing as sole author of a book on the Physiology of Animal Metabolism (2000,)
- elaboration and printing in collaboration of 2 treatises on mathematical models for farm animals (2004 and 2005),
- setting up and coordinating a NEW SPECIALIZATION (“Ecology and Environmental Protection”) at the “V.Goldis” University of Arad in 2002 and at the University of Pitești in 2004,
- establishment and coordination of a NEW MASTER'S DEGREE ("Nature Conservation and Protection" at the University of Pitesti since 2008,
- guidance of approx. 300 bachelor's and master's theses at the University of Pitești (since 1992),
- member of the FORS Executive Bureau (Forum for Science and Reform) (1997),
- in 1992 I was asked by the Israeli Academy of Sciences to participate in the evaluation of a research program in the field of ecophysiology of marine aquatic organisms in this country,
- professional German language course for researchers from the Institute of Biology of the Romanian Academy,
- same at the University of Pitesti (1994-2014),
- permanent member and secretary of the Commission of Exact Sciences and Natural Sciences within the A.R.A.C.I.S. (2007-2009),
- since 1991 I am a member of the Romanian-German Joint Commissions (MEN and MCT) for DAAD scholarships (Germany) (1991-1993),
- in 1999 I was appointed Secretary of the Analysis Commission of research institutes in the field of biosciences (within the National Agency for Science, Technology and Innovation),
- initiator and Scientific Secretary of the Biology-Biotechnology Commission of the A.N.S.T.I (2000),
- the realization, as responsible for the Romanian side, of some Scientific Collaboration Agreements Between the Institute of Biology of the Romanian Academy, the University of Pitești and the Western University “V.Goldis” from Arad and, respectively, the Biology Center of the University of Kiel , University of Tuebingen, University of Frankfurt and Federal Institute of Hydrology in Koblenz (all from GERMANY) and University of Lille (FRANCE).

International scientific collaboration conventions

1. Institute of Biology of the Romanian Academy, Bucharest - Institute of Zoology of the University of Kiel (GERMANY) (1991),
2. Institute of Biology of the Romanian Academy, Bucharest - Laboratory of Biological Chemistry of the University of Science and Technology of Lille (FRANCE) (2003),

3. Institute of Biology of the Romanian Academy, Bucharest - Leipzig Environmental Research Center (GERMANY) (1996),
4. Institute of Biology of the Romanian Academy, Bucharest - Laboratory of Biological Chemistry of the University of Science and Technology of Lille (FRANCE) (2006),
5. Institute of Biology of the Romanian Academy, Bucharest, Center for Ecology and Nature Protection - Institute of Zoology, University of Frankfurt, Department of Ecology and Evolution (GERMANY) (2000)

Participation as a member in editorial committees of specialized magazine

- “Marine Ecology. Progress Series” (1988),
- “Marine Biology” (1996),
- “The American Biographical Institute Board” (2002),
- Scientific Bulletin of the University of Pitesti (1994-2011),
- Carpathian Journal of Earth and Environmental Sciences (din 2007) (I.S.I.),
- North-Western Journal of Zoology (din 2008) – (I.S.I),
- Ecology of the Third Millennium - “V.Goldis” University of Arad (2003) - category B+,
- Revue Roumaine de Biologie, Ser.Biol.Anim., Academia Romana (2004),
- ARGESSIS - Studies and Communications, Natural Sciences Series, Arges County Museum (2000).

29 martie 2024

Profesor universitar doctor Al. G. Marinescu