

## **Curriculum vitae, June 2018**

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### **1. Education**

- Higher education in biology, Faculty of Biology, University of Warsaw, 1973-1978
- PhD studies, Faculty of Biology, UoW, 1980-1984
- PhD degree in 1985 (PhD thesis "Mechanisms of anti-predator defense in three *Daphnia* species", under the supervision of Prof. Z. Maciej Gliwicz)
- Habilitation in 1998
- Titular professor in 2011.

### **2. Employment**

- 1978 - 1980: assistant, Department of Environmental Microbiology, UoW
- 1980 - 1984: PhD student in the Department of Hydrobiology, UoW
- 1984-2000: lecturer in the Department of Hydrobiology, UoW
- since 2000: professor (full professor since 2011), Faculty of Biology, UoW
- 2001-2004: specialist (responsible for research and monitoring in national parks), Polish Board of National Parks.

### **3. Most important administration positions**

- representative of young scientists in the Faculty Council (1980-1999).
- member and leader of various FoB and UoW commissions
- member and vice leader of the Faculty commission of "Solidarność" trade union (1980-1991)
- coordinator of Socrates-Erasmus exchange at FoB (1999-2000)
- vice-director of the Institute of Zoology, FoB (2000-2002)
- deputy dean of the FoB, UoW (2002-2005)
- dean of the FoB UoW (2005-2012)
- head of the Department of Hydrobiology UoW, since 2010.

### **4. Teaching**

Concept of the curricula, individual and team teaching:

#### Courses

- ecology – laboratory courses
- ecology – field courses
- limnology - laboratory courses
- community ecology - field courses

#### Lectures

- general ecology for biologists
- general ecology for biotechnologists
- general ecology for Human-animal studies (FoAL)
- ecology for school teachers and for students of postgraduate studies of Environmental Protection
- Ecology and evolution in zooplankton
- Evolution of the herbivores-plants and predators–prey interactions

- Interspecific interactions: Competition and predation
- Ecological foundations of nature conservation
- Behavioral ecology
- Biodiversity
- Mechanisms of evolution
- Ecology of terrestrial and aquatic ecosystems (for MSc students of Environmental Management)

### Seminars

- evolutionary ecology (for FoB students)
- general ecology and limnology (for MsC students of Department of Hydrobiology)
- biological sciences for humanists (for MISH and FoAL students)
- Contemporary dilemma of nature conservation (for students of FoB and FAL)
- Human body in science, art. And humanities (for MISH and FoAL students)
- At the crossroads of nature and culture (for graduate and PhD students of the FoAL)

### Supervising (and co-supervising)

- BSc theses (6)
- MSc theses (>20)
- 4 PhD theses (4)
- open PhD (1)

Concept (in collaboration) of:

Programme of teaching science for students of humanities, FoAL

Programme of 1<sup>st</sup> degree of human-animal studies (anthropozoology), FoAL

## **5. Scientific achievements**

- original scientific papers published in international peer reviewed journals (44)
- review papers (18)
- short notes (20)
- co-editing of post-conference volumes (3)
- presentations and international (14) and domestic (8) conferences
- invited lectures in Poland (3) and abroad (8)
- professional evaluations of the state of environment (4)
- translations (from English and German) of book chapters, textbooks and state-of-the-art articles)

## **6. Current scientific interests**

- Ecology and evolution of interspecific interactions
- Life history evolution and behavior of aquatic animals
- Stress ecology
- Conservation biology and environmental protection
- Animal welfare and animal rights
- Third culture and the ecotone between science, technology, arts and humanities

## **7. Awarded grants**

### Project manager:

- "Biomanipulation in inland waters" (MEN, 1990-1991)
- "Chemical communication in freshwaters and its application in fisheries and water management" (KBN, 1991-1994)
- "Adaptive changes in life histories of planktonic cladocerans and their consequences for next generation" (KBN/MNiSW, 1997-2000)
- „Role of stress proteins and DNA methylation in the expression of phenotypic plasticity – *Daphnia* model" (MNiSW, 2004-2007)

- „Sex ecology: *Daphnia* model” (MNiSW, 2009-2012)
- „In the search of chemical nature of fish kairomone” (NCN, since 2015)
- 5 research projects financed by UoW (1993, 1994, 1995, 1996, 1997).

#### Principal investigator

- "Recultivating the eutrophic lake through rearrangement of trophic structure" (KBN, 1996-1999; project manager – Prof. Andrzej Prejs)
- “Ecology of 3 sympatric *Daphnia* species and their hybrids” (KBN/MNiSW, 2001-2005; project manager – Prof. Piotr Dawidowicz)
- „Ecological and molecular basis of aging – *Daphnia* model” (MNiSW, 2007-2009; project manager - Barbara Pietrzak, MSc)
- „Resistance of active and dormant stages of aquatic organisms to extreme environmental factors” (NCN, 2013-2016; project manager – dr hab. Mirosław Ślusarczyk).

#### **7. Fellowships**

- 1985 (3 months) - Institute of Ecosystem Studies, Millbrook, USA
- 1991-1993 (21 months) - Max-Planck Institut für Limnologie, Plön, RFN
- 1996 (3 months) – Global Security Fellows Initiative, Cambridge, UK
- 2001 (5 months) – Fulbright Fellowship, MD Anderson Cancer Center, The University of Houston, Houston, Texas.

#### **8. Awards**

Awards admitted by Rector of University of Warsaw for scientific (4) and for teaching achievements (2), awards by Minister of High Education for scientific achievements and for habilitation thesis, awards by Rector of UoW for organization achievements (7).

#### **9. Other activities**

- Reviewer of PhD (3) and habilitation (9) theses and professorships (2)
- reviewer for Polish (e.g. *Acta hydrobiologica*, *Wiadomości ekologiczne*, *Kosmos*, *Polish journal of ecology*) and international scientific journals (e.g. *Animal Behaviour*, *Archiv für Hydrobiologie*, *Aquatic Ecology*, *EES*, *Evolutionary ecology*, *Hydrobiologia*, *Int. Revue der Gesamten Hydrobiologie*, *Invertebrate Biology Journal of Plankton Research*, *Limnologica*, *Limnology and Oceanography*, *Oikos*, *American Naturalist*)
- Reviewer of grant applications for KBN/MENiS/MeiN/MNiSW (> 60) and NRC in Great Britain (1)
- Secretary of Warsaw Division of Polish Hydrobiological Society (1980-1987)
- Editor-in-chief „*Parki narodowe i Rezerваты Przyrody*” (2002-2005)
- Member of the editorial board "*Wiadomości ekologiczne*" (1994-2011) and „*Parki narodowe*” (2003 - 2006), member of Editorial Advisory Board in Polish Journal of Ecology (since 2007)
- Member of reviewers panels in ecology and environmental protection for KBN, MEN, MNiSW, NCN: PO4F, PO4G, N305, NZ8 (many times)
- Member (2004-2013) and president (2006-2009) of National Council for Nature Protection
- Member of Scientific board of Ecological Research Center of PAS (2006-2011), Institute of Nature Conservation of PAS (since 2008) and Center of Advanced Studies of Warsaw University of Technology (since 2013)
- Member of the scientific board of Open University of UoW (2008-2016)
- Member of National Committee for Research Ethics in Science and Technology (2013-2015)
- Member of the board of Warsaw Society of Birds Protection STOP
- Organizer and co-organizer of 3 international and 1 polish conferences + year of Charles Darwin at the UoW and international panel “Darwinian thinking in limnology”, 2009