

Prof. dr hab. Roman Zieliński (date of birth: 1952.10.11.).

Head of the Department of Genetics.

EDUCATION:

•**1971-1976.** Biological studies at the Faculty of Biology Earth Sciences, Adam Mickiewicz University, Poznań, Poland.

1973-1976. Agricultural studies. Academy of Agriculture, Poznań, Poland.

1980. Ph.D. in biology, genetics, Adam Mickiewicz University, Poznań, Poland.

1986. D.Sc. (habilitation) in biology, genetics, Adam Mickiewicz University, Poznań, Poland.

1998. Full Professor in biology..

TEACHER/SCHOOL OF: Prof. dr Jerzy Szweykowski (school of evolutionary genetics) and Prof. dr hab. J.

Jaranowski's (school of applied genetics)

SCHOLARSHIPS:

1998: 4-weeks course on: Quantitative genetics and QTL mapping. Israel.

RESEARCH GRANTS:

1991. Genetic structure of chosen cryptogamic plants, mainly *Bryophyta* and *Algae* with different adaptation strategies. Central Programme of Basic Research. Ministry of Education. Contract N : CPB1991. Supervisor.

1991-1993. Genetic structure of haploid and vegetatively propagated moss *Pleurozium schreberi* (*Musci*, *Hylocomniaceae*) from Poland. Polish Committee of Scientific Research. Contract N : 6PO4C 054 08. Supervisor.

1994-1996. The reasons of instability of perennial ryegrass (*Lolium perenne* L.) cultivars on the base of genetic data. Polish Committee of Scientific Research. Contract N : 5PO6 A S 52101. Supervisor.

1994-1996. Genetic structure of invasive molluscs *Dreissena polymorpha* (Pallas) from Poland. Polish Committee of Scientific Research. Contract N : 6PO4C 096 22. Supervisor.

1994-1996. Estimation of genetic variability of *Dreissena polymorpha* var. *polymorpha* on the base of cytogenetic studies. Polish Committee of Scientific Research. Contract N : 6PO4C 10210. Supervisor.

1996-1999. Species specific markers and analysis of genetic resources in *Lolium perenne* (L.) and *L. multiflorum* (Lam.) with help of RAPD-PCR. Polish Committee of Research. Contract N : 6PO4C 00511. Supervisor.

1998-2000. Genetic diversity of *Mycobacterium tuberculosis* with special reference to resistance to isoniazid and rifampicine. Polish Committee of Research. Contract N : 6 PO4C 096 14. Supervisor.

1997-1998. Genotype analysis of *Borrelia burgdorferi* isolates. PHARE SCI-TECH EU. Supervisor.

1999. Molecular diagnostics of *Mycobacterium tuberculosis*. Szczecin shipyard. Supervisor.

2001-2003. *Avena strigosa* as a new species for sustainable agriculture. Polish Committee of Research.

Contract N : 2871/E-383/SPUB-M/DZ64/2001. Polish Committee of Research. Supervisor.

2001-2003. *Lolium perenne* and *L. multiflorum* as a model for prediction of genetic engineering threats. Polish Committee of Research. Contract N : 2871/E-383/SPUB-M/DZ65/2001. Polish Committee of Research.

Supervisor.

2002-2004. Application of genomic and proteomic technologies for understanding the molecular bases of quantitative inheritance. Polish Committee of Research. Contract N : 2871/E-383/SPB/DZ149/2002.

Supervisor.

2002-2004. Biotechnological approaches for stiff-straw ideotype in pea. Polish Committee of Research.

Contract N : 2871/E-383/SPB/DZ75/2002. Supervisor.

2002-2005. Protein Rich Plants - thematic networks for legumes. Polish Committee of Research. Contract N : 2871/E-383/SPB/DZ515/2002. Supervisor.

2002-2005. Molecular evolution of selected plant species. Warmia and Mazury University. Contract N 0207.202. Supervisor.

2002-2005. Biotechnological approaches to crop improvement. Warmia and Mazury University. Contract N 0207.802. Supervisor.

TEACHING:

Lectures for biology and biotechnology students on: Genetics, General Genetics, Legal aspects in biotechnology, Molecular genetics, Population genetics, Molecular Evolution, Cell biology.

Supervisor of 38 M.Sc. theses in genetics, 9 Ph.D. theses, 2 D.Sc. theses.

Reviewer of 4 Ph.D. theses and 2 application for full professor title, per review in Acta Soc. Bot. Pol..

OTHER ACTIVITY:

1987. Organizer and head of Department of Genetics. Szczecin University.

1994. Pro-rector of Szczecin University

1998. Organiser and Head of Department of Genetics, Warmia and Mazurian University.

2000. Co-organiser (with Faculty of Theology) of I Interdisciplinary Days. Ethics in face of genetic engineering possibilities.

TECHNIQUES: Enzyme electrophoresis, PCR techniques, DNA markers (RFLP, RAPD, AFLP, SSR, ISJ, EST), chromosome staining, mutagenesis, statistical and biometrical methods.

LANGUAGE SKILLS: English, fluent in writing and speaking, Russian