
Prof. Dr. Dr. Habil Dusan Huska
Slovak University of Technology, Bratislava, Slovakia

General information

Surname: HÚSKA, Dr.h.c. prof. Ing. PhD.
First name: Dušan
Nationality: Slovak

Fields of Research

The research activity focused on the issue of drainage of agricultural soils with a focus on construction technologies, trenchless drainage pipe drainage technology and its protection against fouling by non-woven fibrous filters, and research into the flow of water in the porous environment. Irrigation of the use of computers for irrigation systems design, water needs irrigation modeling, low-pressure irrigation technology, and design of reinforced water piping for irrigation and design of linear suction baskets for pumping stations. Erosion protection, accumulation of rainwater, water management, regulation of the water regime of soils, utilization of RS for land use planning. The result of technology research in civil engineering was a series of patent files. It currently deals with the use of biomass as a renewable resource for energy production purposes. At the University, in cooperation with the Steinbeis Association, he founded a transfer center for cooperation with small and medium-sized enterprises on the Danube to use the results of research at school in practice. He has authored more than 40 independent scientific papers, 60 author works, 35 specialized jobs, 24 projects and studies, author and co-author of 12 patents, author of study materials (textbooks) for SPU students, 12 who participated in the creation of 3 textbooks for universities (one abroad and 2 in Slovakia).

Coordinator of the TEMPUS Training Projects (5). In the framework of international cooperation, visited and lectures at universities in the USA (6x), Canada (3x), Iraq (1) Egypt (1), Holland (6) Germany (6) Finland (Turku)2 Aberdeen, Bangor, , Italy (Rome, Pisa, Milan, Florence 5), Sweden (2) and others in Russia, Lithuania, Poland, Hungary, Latvia, Cyprus and the Czech Republic. He has actively participated in various conferences, seminars and workshops and has participated in the work of international scientific research programs. He initiated the Faculty of European Studies and Regional Development and was the founder of the creation of a virtual faculty in Nitra to support international cooperation in the field of student education in Central Europe.

Honours and Memberships

Membership in professional councils and associations:

European Association of agronomists.
Member of the SAU scientific council.
Member of the Scientific Council, Technical University, Zvolen
Scientific Council Hydromeliorácie, Bratislava.
Slovak Academy of Agricultural Sciences - member of the Presidency.

Current Position:

University professor, Department of regional bioenergy, Faculty of European Studies and Regional Development.

Associate Dean, Faculty of European Studies and Regional Development.
 Member of the Department of Public Administration, Faculty of European Studies and Regional Development
 Professor Emeritus. Faculty of Horticulture and Landscape Engineering, SAU
 President, Slovak Union of Landscape Engineers
 Vice President of the National Committee ICID

Previous Functions and Activities at SAU:

Vice-Dean, Faculty of Agronomy
 Dean, Faculty of Horticulture and Landscape Engineering
 Deputy Vice-Chancellor (2 terms) Academic, Research and Development,
 Commission Member, Ministry of Education for Distant Learning
 Member, Government Council for Water Management (since 2001)
 President, Deans Club of the Faculties of Slovak Republic (1997-2000)
 Coordinator for Czech and Slovak Republics, Baltic University Program
 Member, Board of Education, Slovak Agricultural and Food Chamber of Commerce
 Coordinator, Working Group on the feasibility of the establishment of research and training center of the United Nations University in Slovakia

Awards: Dr. H.C. University of Natural Sciences Krakow, Poland - 2010, Mendel University in Brno Czech Republic - 2012.

Education and Qualifications

Dušan Húska, graduate of the Technical University, Faculty of Civil Engineering. Study Branch Water Treatment in 1958. Candidate of Science at the University of Agriculture in 1979.

After completing his studies, he worked for the project organization in Nitra as head of the working group and designer responsible for designing irrigation and drainage structures, protection against erosion, small dams and flow management.

Date: From (month/year): To (month/year):	September 1976 December 1979
Degree	CSc (PhD equivalent)
Associated professor 1989	Slovak Agricultural University, Nitra
Professor 1994	Slovak Agricultural University, Nitra. Appointed by the President of Slovakia.
Honorary award: Dr.h.c. 2010	Kolontaj University Krakow, Poland.
Honorary award: Dr.h.c. 2012	Mendel university Brno, Czech republic

Basic University Education

Institution	Slovak University of Technology, Bratislava
Date: from (month/year) To (month/year)	September 1953 - December 1958
Degree	Ing. (5 year study) Civil Engineering

Postgraduate Studies, Academic Positions and Awards

Institution	Slovak Agricultural University (SAU), Nitra
Date: From (month/year): To (month/year):	September 1976 December 1979
Degree	CSc (PhD equivalent)
Associated professor 1989	Slovak Agricultural University, Nitra
Professor 1994	Slovak Agricultural University, Nitra. Appointed by the President of Slovakia.
Honorary award: Dr.h.c. 2010	Kolontaj University Krakow, Poland.
Honorary award: Dr.h.c. 2012	Mendel university Brno, Czech republic

Language skills: (Mark 1 to 5 levels, 5 best)

Language	Reading	Speaking	Writing
English	5	4	3
German	4	3	2
Russian	5	4	4

Other qualifications:

Postgraduate studies:

- International Land Reclamation Institute of Wageningen - Land Drainage 1984
- Institute for promotion qualifications - Protection of intellectual property (patent law) – Moscow (1989), Prague (1990)

Professional experience

In 1962, he started working at the Agricultural University of Nitra as an assistant professor based on a selection procedure. While working on the project, the institute began to learn about soil mechanics and foundations. After joining the school, she was involved in teaching. Particularly improvement of agricultural land, water structures, forest-technical melioration, climbing and sub-mountain areas, irrigation, irrigation and remote sensing.

In 1989 he was appointed Associate Professor in the following year, qualified for this position. As a professor of irrigation, sewerage and landscape engineering, he was established in 1994.

During his studies at the SPU in Nitra, he was Head of the Agricultural Land Improvement Department, Dean of the Faculty of Agronomy for Study, USA Vice-Rector of Education, Dean of the Faculty of Horticulture and Landscape Engineering (the founder of the Faculty and his Dean for two terms). As vice-rector for university development he served until 2006. He was a member of the Government Council for Water Management since 2001 (4 years) and since 2006 member of the Government Council for Science and Technology.

In 2008 he was legal representative Dean of the Faculty of European Studies and Regional Development of the Agricultural University in Nitra, and later as vice dean, where he is currently a lecturer.

Previous Professional Career:

Date	January 1959 - December 1961
Location	Nitra
Organization	Regional State Institute for the design of agricultural and forestry construction
Position	Head of project group
Work	Responsible designer (irrigation, drainage, erosion protection, small dams, agricultural streams)

Present Professional Carrer:

Date:	January 1962 - present
Location.	Nitra.
Organization.	Slovak Agricultural University, Nitra
Previous Positions	Head, Department of Agricultural Land Improvements (1989-1990) Deputy - Dean (1990-1992) Deputy Vice-Chancellor for Education (1992-1995) Dean, Faculty of Horticulture and Landscape Engineering (1995-2001) Deputy Vice-Chancellor for Development (2001-2006) Associate Dean, Faculty of European Studies and Regional Development
Present Position	University professor, Faculty of European Studies and Regional Development

[Research work](#)
Cooperation in International Projects:

Country	Years
Poland and Germany	1964 - 1970, cooperation in education and research
Hungary and Germany	1979 - 1984, low-pressure irrigation research
National Coordinator, Environment Water and Agriculture - TEMPUS JEP	1991 - 1994
Coordinator, European cooperation for environmental education - TEMPUS JEP	1992 - 1995

Coordinator, European legislation in agriculture and landscape management TEMPUS	1997 – 1999
Expert team TEMPUS Slovakia	1997 and 1999
Expert team TEMPUS Russian Federation	2001 - 2004
Leonardo WALTER	2004 - 2007
Team member for Socrates and Leonardo SAU, Nitra	2001 - present

Publications:

Authored and co-authored over 100 scientific publications, 59 special articles, 12 patents, 15 textbooks (2 in foreign languages). International cooperation included numerous lectures at universities in the USA, Canada, Iraq, Egypt, Netherlands, Germany, Finland, UK, Italy, Sweden, Russia, Lithuania, Poland, Hungary, Latvia, Cyprus and the Czech Republic. Actively participated in various National and International conferences, seminars, and workshops, and participated in the work of International Scientific Research Programs. In addition, initiated the Faculty of European Studies and Regional Development and was the creator of the “Virtual Faculty” at SAU, Nitra for promoting international cooperation in the education in Central Europe.