**Name, year of birth, qualification**

Prof. Dr. Angela ANDA, 1954

- MSc in Agriculture (University of Agricultural Sciences, Keszthely, 1978);
- Meteorologist III. [ELTE TTK and OMSZ (in cooperation with University of Lóránd Eötvös, Faculty of Natural Sciences and Hungarian National Meteorological Service under supervision of World Meteorological Organisation, Budapest, 1982]

**Recent employment and position**

University of Pannonia, Georgikon Faculty, Department of Meteorology and Water; Full time Professor, Dept. Head

**Education, degrees, Thesises**

1978 - MSc at the University of Agricultural Sciences, Keszthely

1982 – Meteorologist III. (under WMO regulations in ELTE TTK and OMSZ, Budapest)

1985 - University Doctor, University of Agriculture, Keszthely

Thesis: Effect of cement kiln dust on the radiation- heat and water balance components in maize.

1989 – Post-graduate course entitled: Agrometeorology of Arid and Semi-arid Zones (Tel Aviv, Israel)

1995 PhD – in Geography (Meteorology included); TMB, Budapest

Thesis: The use of IR-thermometry in determination of crop water supply

**DSc, dr. habil. or other titles:**

1998- Habilitation process at the University of Veszprém

2001 – Doctor of Sciences, DSc in Geography (Meteorology), Hungarian Academy of Sciences, Budapest

Thesis: Some micrometeorological processes determining the canopy microclimate

**Fellowships:** Széchenyi Professorship, 1998-2001

**Prizes:** Award of Dénes Berényi (2001); FAO Bronze Medal (2006); Magyar Köztársaság Lovagkeresztje (Knight's Cross of the Hungarian Republic) (2008), Award of Scheinzl Guido (2013)

**Language skill:** English, Russian

**Teaching activities**

Earlier experience in teaching for undergraduate and postgraduate courses in Hungarian: more than 25 years. Subjects providing as subject leader on BSc and MSc levels:

Agrometeorology, Climatology, Environmental resources, Biometeorology, Physiological plant ecology, Environmental protection

Post-graduate courses: Environmental aspects of crop protection (2007-); Environmental protection, Irrigated production

PhD courses: Processes in the plant-atmosphere continuum, Agrometeorology, Atmospheric physics, Global environmental problems

Supervisor of PhD thesis: 8.5 students

**Leaderships in teaching activity**

Course leader in environmental engineering on BSc and MSc levels

Leader in Doctor School (Animal- and Environmental Studies) in the University of Pannonia

**Recent Professional Emphasis**

*Research activities:*

Research in plant-weather (mainly plant-water) relations including IR thermometry (since 1979): (1) measuring and calculation of transpiration and evapotranspiration; (2) studies on influences of particulates (3) modeling the effect of global warming (3) possibility in modification of plant microclimate

**Employment history**

| | |
|---|---|
| Technical assistant | 1978-1982 |
| Researcher | 1983-1988 |
| Associate professor | 1989-2000 |
| Professor | 2001- |

Experiences in leadership: Head of Department (1993-)
Deputy Dean for Education (1993-1996 and 2003-2007)

**Most important membership in professional organizations:**

Hungarian Meteorological Society (1986-)
Meteorological Scientific Committee of the Hungarian Academy of Sciences
Hungarian Committee of Accreditation (MAB), Earth and Environmental Sciences Section
INSAM (Int. Soc. of Agrometeorologists) member (2004-)

**International relations in research:**

Israel: Volcani Center, Inst. of Soils and Water (Prof. M. Fuchs P.O.Box 6.Bet Dagan 50-250.)
Israel: National Meteorological Service, Bet Dagan (Prof. L.Loomas, Dep. Director.)
England: Silsoe College (Cranfield Univ.)
(Prof. William Stephens Director Bedfordshire MK45 4DT)
Denmark: The Royal Veterinary and Agricultural University, Copenhagen
(Prof. Henry Jensen Copenhagen, Kongelinde str.)

**Publications, books**

Edition of a Dictionary in Agrometeorology (in four languages)
Special handbooks in Hungarian with co-authors: 5;
Chapters in books: 13;
Textbooks in Hungarian: 3;
Reviewed papers in international and Hungarian journals: 79;
Lectures in local and international conferences: 91;
Proceedings of international conferences: 20;
Proceedings in national conferences: 18;
Research reports: 24;
Independent citations including local ones: 243.

**Five selected publications from the last 5 years**

1.
Kovács J; S. Kovács; N. Magyar; P. Tanos; I. G. Hatvani; A. Anda 2014.
Classification into homogeneous groups using combined cluster and discriminant analysis (CCDA) ENVIRONMENTAL MODELLING & SOFTWARE (ISSN: 1364-8152) 57: pp. 52-59.
2. Anda, A. J.T. Silva., G. Soós 2014. 2012. Evapotranspiration and crop coefficient of common reed at the surroundings of Lake Balaton, Hungary. AQUATIC BOTANY (ISSN: 0304-3770) 116: pp. 53-59.
3. Anda, A. and Diósszy, L. 2010. Simulation in maize-water relations: a case study for continental climate (Hungary). Ecohydrology. 3: 487-496.
4. Anda, A.-Kocsis, T. 2008. Impact of atmospheric CO2 enrichment on some elements of microclimate and physiology of locally grown maize. Applied Ecology and Environmental Research 6(1): 85-94. www.ecology.uni-corvinus.hu
5. Anda, A. and B. Varga 2010. Analysis of precipitation on Lake Balaton catchments from 1921 to 2007. Időjárás Vol. 114. No. 3: 187-201.

**List of other 5 important publications**

1. Anda, A.-W, Stephens 1996: Sugar beet production as influenced by row orientation. Agron. Journal, Vol.88 No.6:991-996.
2. Anda, A. 1994: Sorghum germination and development as influenced by soil temperature and water content. Agron. Journal, 86:621-624.
3. Anda, A.-Ligetvári, F. 1993: Potential Use of the Scheduler Plant Stress Monitor in Soybean.CATENA Soil Technology (Spec. Issue on Irrig.) Vol.1:137-144.
4. Anda, A., Burucs, Z., Lőke, Zs. and Decsi, É. K. 2002: Effects of hail on evapotranspiration and plant temperature of maize. *J. of Agronomy and Crop Sci.*188, 335-341.
5. Anda, A.-Z. Lőke 2005: Radiation balance components of maize hybrids grown at various plant densities. J. Agron. and Crop Sci. 191: 202-209.