

SÁNDOR BÁN

PEDAGOGICAL EXPERT



Radnóti Miklós Experimental Grammar School Szeged

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TEACHING CAREER IN BRIEF

I started my career in 1993 at the Dugonics András Piarist Grammar School, Szeged, where I taught chemistry and biology, both as part of the regular curriculum and in advanced elective courses as well as special after-school lessons. In 1998–99, I played a leading role in designing and equipping the science section of the school's new building. I was also the head of the department of biology and chemistry for four years. Since 2002, I have taught in the special biology, chemistry and mathematics programs at the Radnóti Miklós Grammar School in Szeged, mostly in small groups. Between 2005 and 2012, I headed the biology department, which developed into the most successful high school biology workshop in the country during that period, based on advanced Matura examination and competition results. My colleagues and I have also established a state-of-the-art high school molecular biology laboratory. This facility has been made available to biology teachers from other schools for in-service trainings as well as to students for selection tests for international biology competitions. My colleagues and I have attended in-service trainings in molecular biology at the EMBL laboratories in Cambridge, Heidelberg and Monterotondo on a number of occasions. Since 2009, I have been the team leader of the Hungarian national teams at the International Biology Olympiad (IBO) and mentor to our national teams at the European Union Science Olympiad (EUSO). In 2010, I won the Rätz Lifetime Achievement Award. I am currently head of the EU-funded high school science laboratory.

PUBLICATIONS

Bán S. (1998). Gondolkodás a bizonytalanról: a valószínűségi és korrelatív gondolkodás fejlődése. [Thinking about the uncertain: developing probabilistic and correlative thinking]. In Csapó B. (Ed.): Az iskolai tudás. Budapest: Osiris Kiadó.

Bán S. (2010). A tanulás természetes jellemzőinek érvényesülése az iskolai biológiaoktatásban [Implementing natural features of learning in biology instruction]. Mester és Tanítvány 28: 48-56.

Bán S et al. (Eds.). (2003). From Vandal to Voter: Active Citizenship in Europe - Analysis and Methods. Szeged-Paris: KIFE.

SUCCESSFUL STUDENTS

Márton Szentirmai

Faculty of Medicine
University of Szeged, Szeged

- IBO 2011, silver medal
- EUSO 2010, gold medal
- IBO 2010, bronze medal

Petra Varga

Faculty of Medicine
University of Szeged, Szeged

- IBO 2016, silver medal
- EUSO 2015, gold medal
- iGEM 2014, Best Experimental Measurement Prize

Márk Harangozó

Faculty of Medicine
University of Szeged, Szeged

- EUSO 2015, silver medal
- iGEM 2014, Best Experimental Measurement Prize

Fatime Hawchar

Faculty of Medicine
University of Szeged, Szeged

- IBO 2011, bronze medal
- National Secondary School Competition (OKTV) Biology 4th place

Márton Pipicz

Faculty of Medicine
University of Szeged, Szeged

- Student research:
Department of Anatomy,
Faculty of Medicine,
University of Szeged, Szeged
- 2011. Pro Scientia gold medal