

LILLA BÓBICS



Zrínyi Miklós Secondary School of Zalaegerszeg

Address: 30 Rákóczi Street, H-8900 Zalaegerszeg, Hungary

TEACHING CAREER IN BRIEF

I graduated from the Faculty of Science at Eötvös Loránd University (ELTE) in 2001 with a degree in chemistry and physics education, and went on to earn a PhD in chemical sciences from the same institution in 2010. From 2004, I was a member of the faculty at the German Ethnic High School and Boarding School, where I taught physics.

Since 2014, I have been working at the Zrínyi Miklós High School in Zalaegerszeg as a chemistry and physics teacher. Our school places great emphasis on the natural sciences, so I am able to teach both subjects to motivated, enthusiastic students in a well-equipped environment. In my classes, I emphasize observing nature and conducting experiments. I believe that experimentation, discovering connections, thinking, and understanding can be a source of joy for everyone.

Our school has a decades-long tradition in the field of talent development. In the extracurricular club sessions, we succeed in creating an atmosphere where students work together in groups, using their collaboration and communication skills to solve problems. Due to the nature of my subjects, the club work is not merely theoretical or focused on problem-solving. A significant portion of the sessions involves students conducting their own experiments. The most dedicated students who achieve the best results are given individual, personalized assignments. I strive to support my students not only academically but also mentally. My students have regularly advanced to the finals of the János Irinyi Chemistry Competition and the Sándor Mikola Physics Competition, and have performed successfully at the OKTV.

My work was recognized with the Outstanding Competition Coach Award in 2018 and a Ministerial Certificate of Recognition in 2024.

I regularly participate in preparing students for the advanced-level high school graduation exam and in administering the exam. As a mentor teacher, I have supervised the continuous individual teaching practice of two student teachers enrolled in the integrated teacher training program at ELTE. At our school, we plan to launch a class with a specialized science curriculum in the coming school year, and my colleagues and I are working on establishing the professional foundation for this program.

In 2023, I passed the teacher certification exam, and in 2026, I will complete a continuing education program in mental health at Semmelweis University's EKK, which will equip me to support students in their holistic development.

PUBLICATIONS

L. Sziráki, L. Bóbits: Impedance study of electrochromism in anodic Ir oxide films *Electrochimica Acta*, **47**, (2002) 2189.

Laura Sziráki, Ernő Kuzmann, Colin U. Chisholm, Mahmoud R. El-Sharif, Lilla Bóbits, Sándor Stichelutner: Characterization of the passive films on electrodeposited Fe-Ni-Cr alloys in borate solution at pH 8.4 *Central European Journal of Chemistry*, **5**, (2007) 931.

L. Bóbits, L. Sziráki, G.G.Láng: The impedance related to the electrochemical hydrogen insertion into WO₃ films – On the applicability of the diffusion-trapping model *Electrochemistry Communications*, **10**, (2008) 283.

L. Bóbits and L. Sziráki: Study of electrochromism in hydrous iridium oxide films *Hungarian Journal of Chemistry*, **108**, (2002) 359.

SUCCESSFUL STUDENTS

Berke Martin

BME TTK Doctoral School of Physical Sciences

- OKTV physics 2017. 9th place
- OKTV physics 2018. 2nd place

Horváth Zsóka

ELTE TTK Physics BSc

- Athletica Galactica Carpathian Basin High School Astronomy and Astrophysics Competition
- 2022. 12th place
- 2023. 2nd place
- 2024. 5th place
- International Olympiad on Astronomy and Astrophysics (IOAA)
- 2023. and 2024.

Gombos Dávid

Zrínyi Miklós High School in Zalaegerszeg 12th grade

- György Oláh National High School Chemistry Competition
- 2024. 2nd place
- International Chemistry Tournament (IChTo)
- 2025. team bronze medal, individual silver medal