

TÍMEA FÓRIS



Biology and Chemistry Secondary School Teacher
ME's Földes Ferenc Affiliated Secondary Grammar School

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TEACHING CAREER IN BRIEF

I graduated from Kossuth Lajos University of Debrecen as a Biology and Chemistry teacher, and later obtained a teaching degree in English Language and Literature from the Faculty of Humanities at the University of Miskolc. I began my teaching career at Herman Ottó Secondary School in Miskolc, where I also taught Biology in English. Later, I worked at Fráter György Catholic Secondary School, where I taught both Biology and Chemistry at advanced level. I have also participated in the development of natural science teaching materials and laboratory resources. Since 2010, I have been involved in the assessment of advanced-level secondary school leaving examination papers and in the work of oral examination committees, which has greatly helped me prepare my students more consciously for the advanced-level examination.

Since 2016, I have been a teacher at Földes Ferenc Secondary School, where, as laboratory leader, I managed the work of the Natural Sciences Laboratory for eight years. This period strengthened my belief in the importance of education based on experimentation, practical application and independent discovery. I teach Chemistry at advanced level in specialized classes and elective groups, and I regularly prepare my students for advanced-level school leaving examinations and national competitions. I carry out my professional work in close cooperation with the Institute of Chemistry at the University of Miskolc, where I have also started my PhD studies. Our science project, launched in cooperation with the university, provides students at our school with the opportunity to become familiar with the basics of scientific research and to investigate specific natural science problems independently. In my teaching, I consider it important to promote modern, practice-oriented science education, to strengthen the connections between different subjects, and to convey the approach of inquiry-based learning. Through all this, I aim to support the professional development of talented students, deepen their scientific interest and help guide them towards a research career.

PUBLICATIONS

Koska, P.; Fóris, T.; Gráczer, K.; Állné Ilosvai, Á.M.; Kristály, F.; Daróczy, L.; Vanyorek, L.; Viskolcz, B. Application of Zinc Ferrite Nanoparticles for the Magnetic Removal of Algae That Bind Cadmium. *Nanomaterials* **2026**, 16(6), 361. <https://doi.org/10.3390/nano16060361>

Fóris, T.; Koska, P.; Ilosvai, Á.M.; Gráczer, K.; Kristály, F.; Daróczy, L.; Nagy, M.; Viskolcz, B.; Vanyorek, L. Amine-Functionalized Maghemite Nanoflowers for Efficient Magnetic Removal of Heavy-Metal-Adsorbed Algae. *International Journal of Molecular Sciences* **2025**, 26(20), 10010. <https://doi.org/10.3390/ijms262010010>

Fóris, T.; Koska, P.; Ilosvai, Á.M.; Kristály, F.; Daróczy, L.; Vanyorek, L.; Viskolcz, B. An Innovative Bioremediation Approach to Heavy Metal Removal: Combined Application of *Chlorella vulgaris* and Amine-Functionalized $MgFe_2O_4$ Nanoparticles in Industrial Wastewater Treatment. *International Journal of Molecular Sciences* **2025**, 26(12), 5467. <https://doi.org/10.3390/ijms26125467>;

SUCCESSFUL STUDENTS

András Szobota

PhD student in Chemistry and research associate at Eötvös Loránd University

- 4th place nationally at the Irinyi János National Secondary School Chemistry Competition and 2nd place nationally at the Curie Chemistry Memorial Competition, 2012
- 13th place nationally at the National Secondary School Academic Competition and 5th place nationally at the Curie Chemistry Memorial Competition, 2013

Marcell Csécsi

Chemical engineer and PhD student at the University of Miskolc

- 8th place nationally at the Irinyi János National Secondary School Chemistry Competition, 2018
- 26th place nationally at the National Secondary School Academic Competition, 2020

Petra Tóth

Resident urologist (SZTE-ÁOK) Szolnok, Hetényi Géza Hospital and Clinic

- OKTV Biology 2012.

Dávid Nagy

Chemistry student at Eötvös Loránd University

- 6th place nationally at the Irinyi János National Secondary School Chemistry Competition, 2023
- 5th place nationally at the Dürer Chemistry Competition, 2025
- 4th place nationally at the National Secondary School Academic Competition, 2025

Maja Tóttös and Lujza Gyurján

Students of Földes Ferenc Secondary School, University of Miskolc

- 5th place nationally at the Dürer Chemistry Competition, 2025
- 2nd place regionally at the National Science and Innovation Olympiad, 2025