

Date of birth: Szeged, 04.12.1998. Address: 6353 Dusnok, Damjanich u. 22. Residence address: 6721 Szeged, Juhász Gyula utca 25. 3./10. E-mail: f.varkonyiegon@chem.u-szeged.hu Telephone: 06-62/544-336 | Mobile: 06-30/654-6575

# Egon F. Várkonyi Pharmaceutical Chemist, Teacher of Chemistry

## DATA ON EDUCATIONAL ATTAINMENT

2023-currently	University of Szeged, Doctoral School of Chemistry, Szeged <u>PhD student,</u> Program: Catalysis, surface, colloid and materials science. Design of complex drug delivery particles containing anticancer (coordination) compounds.	
2022-2023.	University of Szeged, Faculty of Science and Informatics, Szeged <u>Teaching Chemistry MEd</u> (Master's Degree – Master of Education), Qualified as a Teacher of Chemistry. <i>Grade of degree: excellent</i> [P81D001500]	
2021-2023.	University of Szeged, Faculty of Science and Informatics, Szeged <u>Chemist MSc</u> (Master's Degree – Master of Science), Qualified as a Chemist. Pharmaceutical Chemistry specialisation. <i>Grade of degree: good</i> [P81D001401]	
2018-2021.	University of Szeged, Faculty of Science and Informatics, Szeged <u>Chemistry BSc</u> (Bachelor's Degree – Bachelor of Science), Qualified as a Chemist. <i>Grade of degree: good</i> [P81B067138]	
2017-2018.	<b>University of Szeged, Faculty of Science and Informatics, Szeged</b> Biology-chemistry teacher student – change.	A CONTRACTOR
2009-2017.	<b>Our Lady Catholic School, Kalocsa</b> Primary and Secondary Grammar School studies. Graduation [P44P058076]; Matriculation at advanced level (biology and chemistry).	
2005-2009.	<b>Dusnok-Fajsz Associated General Education Centre, Dusnok</b> Primary School studies.	
EXPERIENCE		
2022-2023.	Hungarian Academy of Sciences – University of Szeged, "Momentum" Noble Metal Nanostructures Research Group Activity: Interaction of noble metal nanoclusters with serum protein in	

<ul> <li>2022. Under the leadership of the Ministry of Innovation and Technology National Laboratory of Biotechnology, Biological Research Centre, Szeged – Centre of Excellence of the Europian Union, Institute of Biochemistry, Membrane and Stress Biology Unit Activity: Optimizing the composition of lipid nanoparticles for tissue specific targeting of mRNA. (Contract of assignment)</li> <li>2022. summer</li> <li>2022. summer</li> <li>2022. summer</li> <li>2022. the Laboratory Kft., Szeged Activity: Product development for water analysis measurements, internship. Products: PH calibration solutions, calibration solutions for conductivity measurements, reagents for photometers.</li> <li>2022. june</li> <li>Hungarian Academy of Sciences – University of Szeged, "Momentum" Noble Metal Nanostructures Research Group Research activities (Contract of assignment). Research, preparative experience.</li> <li>2022. spring</li> <li>University of Szeged, Department of Inorganic and Analytical Chemistry and Department of Plant Biology Activity: Study of trace element and nanoparticle uptake of plants by LIBS elemental mapping. During a project work. Thesis leader: Prof. Dr. Galbács Gábor and Ördögné Dr. Kolbert Zsuzsanna</li> <li>2019-2021.</li> <li>University of Szeged, Department of Physical Chemistry and Materials Science – Colloids and Nanostructured Materials Research Group Activity: Design of liposomal carrier particles containing vitamin B1; research, preparative experience. This work has resulted in a scientific article. Thesis leader: Juhászné Dr. Csapó Edit and Janóné Dr. Ungor Ditta</li> <li>2019. july</li> <li>Hungarian Academy of Sciences – University of Szeged, "Momentum" Biocolloids Research Group Activity: Helping in a PhD work on Nanozymes; preparative experience. Thesis leader: Prof. Dr. Szilágyi István and Nizar B. Alsharif</li> </ul>		2D and 3D systems; research, preparative experience. Thesis leader: Juhászné Dr. Csapó Edit	
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<ul> <li>Chemistry and Department of Plant Biology         <ul> <li>Activity: Study of trace element and nanoparticle uptake of plants by             LIBS elemental mapping. During a project work.             <i>Thesis leader: Prof. Dr. Galbács Gábor and Ördögné Dr. Kolbert Zsuzsanna</i></li> </ul> </li> <li>2019-2021. University of Szeged, Department of Physical Chemistry and         Materials Science – Colloids and Nanostructured Materials         <ul> <li>Research Group</li> <li>Activity: Design of liposomal carrier particles containing vitamin B<sub>1</sub>;             research, preparative experience. This work has resulted in a scientific             article.             <i>Thesis leader: Juhászné Dr. Csapó Edit and Janóné Dr. Ungor Ditta</i></li> </ul> </li> <li>2019. july     <ul> <li>Hungarian Academy of Sciences – University of Szeged,         <ul>             "Momentum" Biocolloids Research Group</ul></li>             Activity: Helping in a PhD work on Nanozymes; preparative experience.</ul></li> </ul>	2022. june	"Momentum" Noble Metal Nanostructures Research Group Research activities (Contract of assignment).	
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## OTHER IMPORTANT INFORMATION

## Information about teaching

<u>Teaching practice</u> (group and individual) in *(Ságvári)* University of Szeged's Grammar School and Primary School.



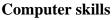
Experience: grammar school 9-10. classes. Rating of the exercise.: excellent

*36. National scientific student conference 2023.*, University of Szeged, Faculty of Science and Informatics – Local conference 2022. autumn (24th of nov.)

Chemistry student group; <u>Section</u>: Organic chemistry / Biochemistry; <u>Result: 2nd place</u> <u>Thesis</u>: Design of colloidal drug delivery systems for vitamin B1 encapsulation and tissuespecific targeting of mRNA.

Thesis leader: Juhászné Dr. Csapó Edit (MTA-SZTE), Janóné Dr. Ungor Ditta Anita (MTA-SZTE), Dr. Gombos Imre (BNL-SZBK).

#### Scientific article



Knowledge of Microsoft Office at user level (e.g. dokumentation, processing measurement data).

#### Language examination

English Vantage (B2) complex (state accredited) Oral: ELTE Origó [NG010-05124] Written: iTOLC [QD320-01445].

**Driving licence** 

Category B.

Szeged, 26.09.2023.



