

## Curriculum Vitae

Máté Csontos  
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### Education:

- 2019-: **PhD**, Macromolecular and Surface Chemistry program, University of Debrecen, PhD School of Chemistry
- 2016-2018: **Chemistry Master course**. Analytical chemistry specialization  
University of Debrecen, Department of Applied Chemistry, Science Port Kft.  
**Thesis:** Quantitation of caffeine in variously brewed coffee samples by multivariate analysis
- 2011-2015: **Chemical Engineer Bachelor course**,  
University of Debrecen, Department of Colloid and Environment Chemistry, Science Port Kft.  
**Thesis:** Infrared spectroscopy and human sensor study on the Hungarian lager beer market
- 2007-2011: **High school graduation**  
Reformed College of Debrecen

### Professional experience:

- 2013-: Research coordinator, Science Port Kft, , regular participation in research and business, spectroscopic data evaluation
2018. 02. – 2019. 07.: Research assistant, University of Debrecen, Department of Physical Chemistry, supervising lab practice of Physical and Colloid Chemistry, Instrumental Analytical Chemistry for chemist and pharmacist students

## Grants, scholarships:

- ERASMUS 2015 1<sup>st</sup> semester: Zaragoza, Spain,
- Chemical Reaction Networks Summer School, Politecnico di Torino, 2019. 07. 24-29., Torino, Italy

## Languages:

- English, German: B2

## Conference attendance, posters:

- 2014. MKE KEN, Szeged, S.Ö.R. – avagy spektroszkópiás vizsgálatok, összefüggések, rejtélyek a sörgyártás világában (előadás) (ISBN 978-963-9970-64-9, pg. 21)
- 2015. Conferetia Chemometrica, Budapest, Near Infrared comperative study of the Hungarian lager beer market (poszter) (ISBN 978-963-7067-31-0)
- 2015. IX Congreso Ibérico de Espectroscopia, Alicante, Spanyolország, Reliable quality control of iron in pharmaceutical preparations by Digital Image Colorimetry (poszter)
- 2019. MTA Kemometriai és Kemoinformatikai Munkabizottsági Ülés - Funkcionalizált politejsav implantátumok infravörös spektroszkópiai vizsgálata (előadás)
- 2019. KeMoMo – QSAR 2019 - Kemometriás adatértékelés 3D nyomtatott újgenerációs implantátumok felületi módosításának vizsgálatában (előadás)
- 2019. Conferentia Chemometrica – Infrared Analysis of chemically modified 3D printed PLA scaffolds (poszter) – BEST POSTER AWARD (ISBN 978-963-7067-38-9)
- 2020. XII. Winter Symposium on Chemometrics, Saratov, Oroszország, Soft sensor method for the prediction of the hydration state of Na-bentonite using multivariate analysis of low-field NMR data (poszter)

## Publications:

- P. Arany, I. Papp, M. Zichar, M. Csontos, J. Elek, G. Regdon, I. Budai, M. Béres, R. Gesztelyi, P.Fehér, Z. Ujhelyi, G. Vasvári, Á. Haimhoffer, J. Váradi, F. Fenyvesi, M. Vecsernyés, I. Bácskay, *In Vitro Tests of FDM 3D-Printed Diclofenac Sodium-Containing Implants*, *Molecules* 2020,25, 5889; doi:10.3390/molecules25245889
- R. L. Kovács, M. Csontos, Sz. Gyöngyösi, J. Elek, B. Parditka, Gy. Deák, Á. Kuki, S. Kéki, Z. Erdélyi, *Surface characterization of plasma-modified low density polyethylene by attenuated total reflectance fourier-transform infrared (ATR-FTIR) spectroscopy combined with chemometrics*, *Polymer Testing* 2021,96, 107080, doi.org/10.1016/j.polymertesting.2021.107080

**IT experience:**

- MS Office, Adobe softwares
- Camo Unscrambler X, Origin, Matlab, ChemDraw, Mestrenova

**Hobby:**

- Cycling (MEFOB MTB team winner, 2013)
- Photography (Association of Hungarian University Press, Photo of the year Award 2013)
- Music