

CURRICULUM VITÆ

CONTACT

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PERSONAL DATA

Name: Krisztina Júlia Szerekres
Birth place and date: Budapest, Hungary, 9th September 1994.
Citizenship: Hungarian

EDUCATION

2017–present PhD in chemical studies, Eötvös Lorand University
2015–2017 MSc in chemistry, Eötvös Lorand University
2012–2015 BSc in chemistry, Eötvös Lorand University
2008–2012 Lehel Vezér High School

AWARDS

2015 3rd prize at the Scientific Students' Associations National Conference (Supervisors: Dr. Láng Győző and Zsélyné Dr. Ujvári Mária)
2016 Dean's List Award (Eötvös Loránd University, Faculty of Science)
2016 Fellowship granted by the Republic of Hungary
2017 Fellowship granted by the New National Excellence Program.

PROFESSIONAL EXPERIENCE

During my 2nd year of my BSc studies I joined ongoing electrochemical and structural investigations of poly(3,4-ethylenedioxythiophene), i.e., PEDOT, at Laboratory of Electrochemistry and Electroanalytical Chemistry. I have written both of my bachelor and master's thesis in this topic.

TEACHING ACTIVITIES

2014–present Gives physical chemistry laboratory classes for students in chemistry from Eötvös Loránd University, as well as for students in pharmacy from Semmelweis University
2016–2017 Takes part in the Eötvös Loránd University Chemistry Demonstrator Program
2017 Gives chemistry lessons at KKM Education and Recreation Ltd.

WORK EXPERIENCE

2017–present Robert Bosch Elektronika Ltd. – Hatvan

SKILLS AND COMPETENCES

Languages: English, Russian
PC skills: MS Office, Origin, Zahner Thales, LabVIEW

VOLUNTARY ACTIVITY

2012–2014 Mentor student: „TÁMOP-3.4.5-12-2012-0001 Talent Bridge Program”
2016 Volunteer Helper at „Bear Maths”

OTHERS

2015 Loctite Academy adhesion-technical master's degree
Driving license (Category B)

PUBLICATIONS

Journal papers

M. Ujvári, J. Gubicza, V. Kondratiev, K.J. Szekeres, G.G. Láng, „Morphological changes in electrochemically deposited poly(3,4-ethylenedioxythiophene) films during overoxidation”
Journal of Solid State Electrochemistry 19 (4) 1247-1252 (2015).

M. Ujvári, G.G. Láng, S. Vesztergom, K.J. Szekeres, N. Kovács, J. Gubicza, „Structural changes during the overoxidation of electrochemically deposited poly(3,4-ethylenedioxythiophene) films”
Journal of Electrochemical Science and Engineering 6 (1) 77-89 (2016).

G.G. Láng, M. Ujvári, S. Vesztergom, V. Kondratiev, J. Gubicza, K.J. Szekeres, „The Electrochemical Degradation of Poly(3,4-ethylenedioxythiophene) Films Electrodeposited from Aqueous Solutions”
Zeitschrift Fur Physikalische Chemie-International Journal of Research in Physical Chemistry and Chemical Physics 230 (9) 1281-1302 (2016).

G.G. Láng, N. Kovács, S. Vesztergom, M. Ujvári, D. Zalka, K.J. Szekeres, „Experimental methods for the determination of stress changes at electrified solid-liquid interfaces”
Technisches Messen 84(10) pp. 644-659. (2017)

Conference papers

K.J. Szekeres, G.G. Láng, Mária Ujvári, „Electrochemical and morphological investigations of poly(3,4-ethylenedioxythiophene) films in different electrolyte solutions.”
6th Regional Symposium on Electrochemistry of South-East Europe: Book of Abstracts, pp. 25-26.
June 11-15 2017, Balatonkenese, Hungary, 2017.06.11-2017.06.15. Budapest: Diamond Congress (ISBN:978-615-5270-33-8)

G.G. Láng, M. Ujvári, S. Vesztergom, K. J. Szekeres, J. Gubicza, „Structural changes during the overoxidation of electrochemically deposited poly(3,4-ethylenedioxythiophene) films”
5th Regional Symposium on Electrochemistry South East Europe: Program Book of Abstracts.
June 7-11 2015, Sofia, Bulgaria.

G.G. Láng, M. Ujvári, J. Gubicza, S. Vesztergom, K.J. Szekeres, „Investigation of the Electrochemical, Mechanical and Degradation Properties of Conducting Polymer Films Using the Electrochemical Bending Beam Method, Scanning Electron Microscopy, X-ray Diffraction and Impedance Spectroscopy”
1st European Conference On Physical and Theoretical Chemistry.
September 14-18 2015, Italy, Catania.

G.G. Láng, M. Ujvári, Z. Dankházi, S. Vesztergom, K.J. Szekeres, „Analysis of impedance spectra of electrochemically deposited PE DOT films recorded before and after overoxidation”
10th International Symposium on Electrochemical Impedance Spectroscopy: Programme and book of abstracts.

June 19-24 2016, Spain, A Toxa (Galicia).

M. Ujvári, K.J. Szekeres, G.G. Láng, „Investigation of conductive polymers’ electrochemical degradation”

Az MTA Elektrokémiai Munkabizottság és az MKE Fizikai-kémiai Szakosztály Ülése

October 26-27 2015, Hungary, Budapest.

Budapest, 25 October 2017