

CURRICULUM VITAE

Assoc. Prof. RNDr. VLASTIMIL VYSKOČIL, Ph.D.

PERSONAL DATA

- Date of birth: **March 30, 1981**
- Place of birth: **Prostějov**
- Marital status: **married**
- Age: **38**
- Nationality: **Czech Republic**
- Permanent address: **Hrochov 61, Lipová, CZ-79845**
- Corresponding address: **Department of Analytical Chemistry,
Faculty of Science, Charles University, Hlavova 8, Prague 2, CZ-12843**
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- ResearchGate profile: https://www.researchgate.net/profile/Vlastimil_Vyskocil



EDUCATION

- 2005 – 2010 **Charles University in Prague** Prague, CZ
- PhD study in Analytical Chemistry at Faculty of Science
- 1999 – 2005 **Charles University in Prague** Prague, CZ
- MSc study in Analytical Chemistry at Faculty of Science
- 1995 – 1999 **Gymnasium of Jiří Wolker** Prostějov, CZ
- Secondary school study

PRACTICE

- 2015 – to date **Charles University** Prague, CZ
- Associate professor specialized in electroanalytical methods (Department of Analytical Chemistry, Faculty of Science):
 - Habilitation thesis “New Approaches in the Development of Novel Electrochemical Sensors and Biosensors” defended on June 11, 2015
 - Principal investigator in research project of the Grant Agency of the Czech Republic (project P206/13-23337P), theme “Complex Diagnostic Approach in the Evaluation of the Interaction of DNA with Organic Xenobiotics Using Electrochemical Nanostructured DNA Biosensors” (2013–2015)
 - Head of the Team of Electrochemical Analytical Methods (Department of Analytical Chemistry, Faculty of Science) (since 2016)
 - Member of the UNESCO Laboratory of Environmental Electrochemistry (since 2003)

2005 – 2010 **Charles University in Prague** Prague, CZ

- PhD study (Department of Analytical Chemistry, Faculty of Science):
 - PhD thesis “New Electrochemical Methods for Determination of Nitro and Oxo Derivatives of Fluorene” defended on April 22, 2010 (PhD Thesis) and on July 14, 2010 (RNDr Thesis)
 - Principal investigator in research project of the Grant Agency of the Charles University (project 6107/2007/B-Ch/PrF), theme “Voltammetric Determination of Nanomolar Concentrations of Genotoxic Nitro and Amino Compounds”

2005 – to date **Charles University** Prague, CZ

- Pedagogical practice (Department of Analytical Chemistry, Faculty of Science):
 - Lecturer of courses:
 - Analytical Chemistry I + II*
 - Advanced Practicum of Analytical Chemistry*
 - Advances in Electroanalytical Chemistry*
 - Electroanalytical Methods in Environmental, Clinical and Toxicological Analysis*
 - Electrochemical Methods*
 - Introduction to Electroanalytical Chemistry*
 - Modern Methods in Analytical Chemistry*
 - Optional Practicum*
 - Organic Polarography and Voltammetry*
 - Organic Analysis*
 - Practicum of Instrumental Analysis*
 - Supervisor and/or consultant in 1 Post-Doc, 11 PhD, 20 MSc, 26 BSc, and 7 Mobility projects
 - Supervisor in projects for high school students:
 - Open Science II, III and IV*
 - Secondary School Special Activity*
 - Seminar of Analytical Chemistry for Secondary Schools*

RESEARCH ACTIVITIES

- Development and testing of new silver amalgam-based, bismuth-based and carbon nanopowder-based electrode materials for determination of trace amounts of genotoxic environmental pollutants and anticancer drugs
- Electrochemical study of the interactions between DNA and genotoxic nitro/amino/oxo group-containing aromatic and heteroaromatic substances using mercury electrodes, silver amalgam electrodes, screen-printed carbon electrodes and carbon film electrodes
- Testing of nanostructured composite films subsequently modified by a DNA layer as a response-amplifying interface for the development of novel voltammetric and impedimetric DNA biosensors for complex detection of DNA damage

BIBLIOGRAPHIC METRICS

- Impacted journal articles: **88** H-index: **20** (**21** soon in 2019)
- Total impact factor (2018): **194.967** Average impact factor: **2.216**
- Chapters in books: **11**
- Conference contributions: more than **180**
- Researcher ID: D-4053-2009 (<http://www.researcherid.com/rid/D-4053-2009>)
- Scopus Author ID: 24466942600 (<http://www.scopus.com/authid/detail.url?authorId=24466942600>)
- ORC ID: 0000-0001-9465-3931 (<http://orcid.org/0000-0001-9465-3931>)

STAYS ABROAD

- 2019 – University of Regensburg, Germany (Prof. Frank-Michael Matysik)
one-week Erasmus stay (Teaching Staff Mobility)
- 2018 – University of Regensburg, Germany (Prof. Frank-Michael Matysik)
one-week Erasmus stay (Teaching Staff Mobility)
- 2017 – University of Regensburg, Germany (Prof. Frank-Michael Matysik)
one-week Erasmus stay (Teaching Staff Mobility)
- 2016 – University of Regensburg, Germany (Prof. Frank-Michael Matysik)
two-week Erasmus stay (Teaching Staff Mobility)
– Slovak University of Technology in Bratislava, Slovakia (Prof. Ján Labuda)
two-week Erasmus stay (Teaching Staff Mobility)
- 2015 – University of Regensburg, Germany (Prof. Frank-Michael Matysik)
two-week Erasmus stay (Teaching Staff Mobility)
– Slovak University of Technology in Bratislava, Slovakia (Prof. Ján Labuda)
three-week Erasmus stay (Teaching Staff Mobility)
– University of Porto, Portugal (Dr. Luís Moreira Gonçalves)
three-week Erasmus stay (Teaching Staff Mobility)
– National and Kapodistrian University of Athens, Greece (Prof. Anastasios Economou)
two-week Erasmus stay (Teaching Staff Mobility)
– University of Coimbra, Portugal (Prof. Christopher M. A. Brett)
two-week Erasmus stay (Teaching Staff Mobility)
- 2014 – Slovak University of Technology in Bratislava, Slovakia (Prof. Ján Labuda)
three-week Erasmus stay (Teaching Staff Mobility)
- 2013 – University of Regensburg, Germany (Prof. Frank-Michael Matysik)
two-month DAAD research stay (DAAD Scholarship)
– Slovak University of Technology in Bratislava, Slovakia
three-week Erasmus stay (Teaching Staff Mobility)
- 2012 – National and Kapodistrian University of Athens, Greece (Prof. Anastasios Economou)
one-month research stay (Bilateral Collaboration)
– Slovak University of Technology in Bratislava, Slovakia (Prof. Ján Labuda)
three-week Erasmus stay (Teaching Staff Mobility)
- 2011 – Slovak University of Technology in Bratislava, Slovakia (Prof. Ján Labuda)
three-week Erasmus stay (Teaching Staff Mobility)
- 2009 – Slovak University of Technology in Bratislava, Slovakia (Prof. Ján Labuda)
four-month Erasmus research stay (Student Mobility)

AWARDS

- 2019 – “Top Peer Reviewer Award 2019” (*for the top 1% reviewers in Chemistry on Publons*)
– “Top Peer Reviewer Award 2019” (*for the top 1% reviewers in Cross-Field on Publons*)
- 2018 – “Publons Peer Review Award 2017” (*for the top reviewers for multidisciplinary journals*)
– Scientific project “Novel Electrochemical DNA Biosensors Based on Nanostructured Materials for the Investigation of Damaging Interactions of Organic Xenobiotics with DNA” (supervised by V.V.) of the Grant Agency of Charles University has been awarded as one of the best grant projects

- 2017 – “Best Oral Presentation Award” of the Catalysts journal at the conference *XXII SPE (Portuguese Society of Electrochemistry) Meeting, Ponta Delgada – Azores, Portugal, June 19–22, 2017*
- “1st Poster Prize” in the Best Young Researcher Contribution Contest at the conference *Progress in Applied Surface, Interface and Thin Film Science 2017, Florence, Italy, November 20–23, 2017*
- 2016 – “Electrochimica Acta Travel Award for Young Electrochemist” of the International Society of Electrochemistry
- “Sentinel of Science Award 2016” of the Publons (*for the top 10 per cent of researchers contributing to the peer review of the field of Chemistry*)
 - “Prize of Metrohm Company (Czech Republic) for the Best Publication of Young Electroanalytical Chemist under the Age of 35 in 2015” (as the publication co-author) (*Hájková A., Vyskočil V., Josypčuk B., Barek J.: A Miniaturized Electrode System for Voltammetric Determination of Electrochemically Reducible Environmental Pollutants. Sensors and Actuators B: Chemical 2016, vol. 227, pp. 263–270*)
- 2015 – “Prize of Metrohm Company (Czech Republic) for the Best Publication of Young Electroanalytical Chemist under the Age of 35 in 2014” (*Hájková A., Barek J., Vyskočil V.: Voltammetric Determination of 2-Aminofluoren-9-one and Investigation of Its Interaction with DNA on a Glassy Carbon Electrode. Electroanalysis 2015, vol. 27, pp. 101–110*)
- 2013 – “Poster Prize” at the conference *15th Austrian Chemistry Days, Graz, Austria, September 23–26, 2013*
- 2012 – “Best Poster Award” in the poster section of *Analytical Chemistry and Environmental Analysis* at the conference *55th Congress of PTChem and SITPChem, Białystok, Poland, September 16–20, 2012*
- 2011 – “Top 100 Scientists 2011 Award” of the International Biographical Centre, Cambridge, England
- 2010 – “Prize of Josef Hlávka for the Best Students and Graduates” (nomination from the Faculty of Science, Charles University in Prague)

COMPLETED TRAINING COURSES, TRAINING SEMINARS AND WORKSHOPS

- 2019 – Metrohm Workshop (Voltammetry, Ion Chromatography, OMNIS Titration, NIR and Raman Spectroscopy), Metrohm, Prague, CZ
- Modern Electroanalytical Methods 2019, Metrohm, Prague, CZ
- 2018 – Modern Electroanalytical Methods 2018, Metrohm, Prague, CZ
- 2017 – Modern Electroanalytical Methods 2017, Metrohm, Prague, CZ
- 2016 – Modern Electroanalytical Methods 2016, Metrohm, Prague, CZ
- 2015 – Modern Electroanalytical Methods 2015, Metrohm, Prague, CZ
- 2014 – Modern Electroanalytical Methods 2014, Metrohm, Prague, CZ
- Electrochemical Workshop 2014 – Software NOVA 1.10, Metrohm, Prague, CZ
- 2013 – Seminary of the Company Metrohm, Prague, CZ
- 2011 – Summer School in Spectroelectrochemistry, Leibniz-Institute for Solid State and Materials Research (IFW), Dresden, Germany
- 2008 – SPE and HPLC Seminar, Sigma-Aldrich, Prague, CZ
- How to Resolve the Problems in Technical Texts Writing, PACI, Prague, CZ
 - Clinical and Toxicological Analysis, PACI, Prague, CZ
 - Progress in Analytical Methods for the Determination of Antioxidants, Vitamins and Other Important Substances in Biological Materials, Radanal, Prague, CZ
- 2007 – SPE a HPLC Seminar, Sigma-Aldrich, Prague, CZ
- Laboratory on Chip, PACI, Prague, CZ
 - The Utilization of EXCEL in Analytical Laboratory, PACI, Prague, CZ
- 2006 – Electronical Laboratory Notebook, PACI, Prague, CZ
- Oxford Model for Technology Transfer, PACI, Prague, CZ
 - Possibilities of Innovations in Electroanalytical Chemistry, PACI, Prague, CZ

ORGANIZING AND EDITORIAL ACTIVITIES

- Referee for the international journals (<http://www.publons.com/a/468796>):
ACS Applied Nano Materials; *ACS Applied Materials and Interfaces*; *ACS Omega*; *Analyst*; *Analytica Chimica Acta*; *Analytical and Bioanalytical Chemistry*; *Analytical Chemistry*; *Analytical Chemistry Letters*; *Analytical Letters*; *Analytical Methods*; *Anti-Cancer Agents in Medicinal Chemistry*; *Applied Sciences*; *Arabian Journal of Chemistry*; *Bioelectrochemistry*; *Biosensors*; *Chemical Papers*; *ChemistrySelect*; *Chinese Chemical Letters*; *Collection of Czechoslovak Chemical Communications*; *Current Analytical Chemistry*; *Current Organic Chemistry*; *Current Pharmaceutical Analysis*; *Electroanalysis*; *Electrochemistry Communications*; *Electrochimica Acta*; *Energies*; *Environmental Science and Technology*; *Chemické Listy*; *Industrial and Engineering Chemistry Research*; *International Journal of Environmental Analytical Chemistry*; *Ionic*; *Journal of Analytical Research*; *Journal of Analytical Sciences, Methods and Instrumentation*; *Microsystem Technologies*; *Journal of Applied Bioanalysis*; *Journal of Electroanalytical Chemistry*; *Journal of Hazardous Materials*; *Journal of Nanostructure in Chemistry*; *Journal of Pharmaceutical Analysis*; *Journal of Solid State Electrochemistry*; *Journal of the Brazilian Chemical Society*; *Journal of the Electrochemical Society*; *Journal of the Science of Food and Agriculture*; *Letters in Drug Design and Discovery*; *Measurement*; *Microchimica Acta*; *Microchemical Journal*; *Molecular BioSystems*; *Monatshefte für Chemie – Chemical Monthly*; *Nanomaterials*; *Optics Communications*; *Portugaliae Electrochimica Acta*; *Precision Instrument and Mechanology*; *Reviews in Analytical Chemistry*; *RSC Advances*; *Sensor Letters*; *Science of the Total Environment*; *Sensors*; *Sensors and Actuators B: Chemical*; *Synthetic Metals*; *Talanta*; *The Chemical Record*; *Toxins*; *Turkish Journal of Chemistry*; *Water, Air and Soil Pollution*
- Outstanding reviewer status achieved for *Talanta*; *Sensors and Actuators B: Chemical*; *Electrochimica Acta*; *Journal of Electroanalytical Chemistry*
- 2019 – Member of the Board of Editors of the association ChemPubSoc Europe (to date)
 - Organizer of the international conference “2nd Cross-Border Seminar on Electroanalytical Chemistry”, April 10–12, 2019, České Budějovice, CZ
- 2018 – Editor of the Czech journal *Chemické Listy* (to date)
- 2016 – Editor of proceedings from the student competition conference “Karel Štulík Prize” (in 2016, 2017, 2018, and 2019)
 - Reviewer for the projects in the program Inter-Excellence (Ministry of Education, Youth and Sports of the Czech Republic) (to date)
- 2015 – Associate Editor of the international journal *World Journal of Engineering Research and Technology (WJERT)* (to date) and Member of the Editorial Board of the international journals *Biosensors, Biomarkers and Diagnostics (SOJBBD)* (to 2015) and *Journal of Analytical Research* (to 2015)
- 2014 – Member of the Group on Youth for Chemical Education of the European Chemistry Thematic Network Association (to date)
- 2013 – Member of the Steering Committee of the Division of Analytical Chemistry of the Czech Chemical Society (to date)
- 2012 – Member of the Editorial Board of the international journals *Research on Precision Instrument and Machinery (RPIM)* (to 2015), *Precision Instrument and Mechanology (PIM)* (to 2015) and *Open Journal of Applied Biosensor (OJAB)* (to 2015)
 - Reviewer for the projects of the Slovak Research and Development Agency (to date)
 - Organizer of the international conference “The Present State and Perspectives of Analytical Chemistry in Practice 2012”, May 8–11, 2012, Bratislava, Slovakia
- 2011 – Member of the International Society of Electrochemistry (to date)
 - Member of the Editorial Board of the international journal *Journal of Analytical Sciences, Methods and Instrumentation (JASMI)* (to 2015)
- 2010 – Organizer of the international conference “The Present State and Perspectives of Analytical Chemistry in Practice 2010”, May 9–12, 2010, Bratislava, Slovakia
- 2009 – Editor of proceedings from the student competition conference “The Merck Prize” (in 2009, 2010, 2011, 2012, 2013, and 2014)

- Organizer of the international conference “Modern Electroanalytical Methods 2009”, December 9–13, 2009, Prague, CZ
- 2008 – Organizer of the international conference “ESEAC 2008 – 12th International Conference on Electroanalysis”, June 16–19, 2008, Prague, CZ
- 2007 – Member of the Czech Chemical Society (to date)
- 2003 – Member of the UNESCO Laboratory of Environmental Electrochemistry (to date)

ADDITIONAL DATA

ADDITIONAL SKILLS

- Language skills:
 - Czech (mother tongue)
 - German (intermediate, level B1)
 - English (advanced, level C1)
 - Slovak (upper advanced, level C2)
 - Work on PC (MS Office, MS Windows, web design, internet, system services)
 - Driving license of type B
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REFERENCES

- Prof. RNDr. Jiří Barek, CSc., Charles University (PhD thesis supervisor)
 - phone: +420221951224; e-mail: barek@natur.cuni.cz
 - Prof. Ing. Ján Labuda, DrSc., Slovak University of Technology in Bratislava
 - phone: +421259325277; e-mail: jan.labuda@stuba.sk
 - Prof. Dr. Anastasios Economou, National and Kapodistrian University of Athens
 - phone: +302107274298; e-mail: aeconomou@chem.uoa.gr
 - Prof. Frank-Michael Matysik, University of Regensburg
 - phone: +499419434548; e-mail: frank-michael.matysik@chemie.uni-r.de
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BIOGRAPHY

Assoc. Prof. Dr. Vlastimil Vyskočil is an associate professor, a researcher, the Head of the Team of Electrochemical Analytical Methods, and the Head of the Group of Electrochemical Biosensors and Bioelectrochemistry at the UNESCO Laboratory of Environmental Electrochemistry, Department of Analytical Chemistry, Faculty of Science, Charles University, Prague, Czech Republic. He received his M.Sc., Ph.D., RNDr. and Doc. degrees at the Charles University in Prague in 2005, 2010, 2010, and 2015, respectively. In 2010, he was awarded by the Prize of Josef Hlávka for the Best Students and Graduates. In 2015, he was awarded by the Prize of Metrohm Company (Czech Republic) for the Best Publication of Young Electroanalytical Chemist under the Age of 35 in 2014. In 2016, he was awarded by the Electrochimica Acta Travel Award for Young Electrochemist of the International Society of Electrochemistry. He has published over 90 international research papers (with h-index of 21) and 11 book chapters in the area of novel electrochemical sensors and biosensors based on nontraditional electrode materials for investigation and determination of biologically active organic compounds.

V Praze dne 24.9.2019

doc. RNDr. Vlastimil Vyskočil, Ph.D.