

Ivan Plyushchenko PhD, postdoctoral research fellow

September 2022

Chemistry Department, Lomonosov Moscow State University

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plyushchenko.ivan@gmail.com

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Education

2011-17	Specialist in Chemistry (equivalent to MSc) Lomonosov Moscow State University Moscow, Russia
2017-21	Postgraduate academic and pedagogical training (Chemistry) Lomonosov Moscow State University Moscow, Russia
2017-22	Doctor of Philosophy (Chemistry) Lomonosov Moscow State University Moscow, Russia

Grants and awards

Salzburg, Austria	MSACL EU 2017 Travel Grant	2017
Florence, Italy	IMSC 2018 Fellowship	2018
Salzburg, Austria	MSACL EU 2019 Travel Grant	2019

Current journal roles

Biomedical Chromatography Peer Reviewer

Professional Certificates

2017	Metabolomics 202: Approaches, Applications and C MSACL EU 2017 16 hrs	hallenges
2018	Introduction to R Course n/a	DataCamp
2018	R Basics - R Programming Language Introduction 4 hrs	Udemy
2019	Data Science 201: Going Further With R: Tackling Clinical tory Data Manipulation and Modeling MSA 16 hrs	al Labora- CL EU 2019
2019	Introduction to programming in R n/a	Dataquest
2019	Intermediate R programming n/a	Dataquest
2019	Data visualization in R n/a	Dataquest
2019	Data analyst in R n/a	Dataquest
2019	Data cleaning in R n/a	Dataquest

Conferences

trophoretic and spectroscopic study VIIIth International Symposis Design and Synthesis of Supramolecular Architectures, Kazan, Russia 2017 Simple & Robust Approach in Urinary Metabolomics Based UPLC-MS for Preoperative Colorectal Cancer Diagnostics MSA 2017 EU, Salzburg, Austria 2018 Typical LC-MS metabolomics workflow for profiling urine sampl of patients with colorectal cancer XXII International Mass Spectrome Conference, Florence, Italy 2019 Comparison of the kinetics of dyes degradation of handwritt strokes subjected to different types of artificial aging and studied using chromatography mass-spectrometry and statistical daprocessing 48th International Symposium on High-Performance Liquid Phiseparations and Related Techniques, Milan, Italy 2019 Bioassay Classification Study via LC-MS and Machine Learning Conjunction with Dimensionality Reduction MSACL 2019 EU, Salzbu Austria 2020 Humulus lupulus LC-MS untargeted profiling study for geograph origin classification task4th International Symposium on Phytochemicals Medicine and Food, Xi'an, China 2021 Describing metabolome diversity between Humulus lupulus genetic origin groups using UHPLC-MS/MS The 69th Annual Conference on Mass Spectrometry of MSSJ, Japan 2022 Application of gradient boosting machine for signal processing LC-MS metabolomics 13th Winter Symposium on Chemometrics, Rus		
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	2022	Application of gradient boosting machine for signal processing in LC-MS metabolomics 13th Winter Symposium on Chemometrics, Russia
Chemometrics, Russia	2022	Untargeted metabolomics study of Humulus lupulus brewing cultivars, for genetic origin classification task 13th Winter Symposium of Chemometrics, Russia

Publications

Deep learning for retention time prediction in reversed-phase liquid chromatography ES Fedorova, DD Matyushin, IV Plyushchenko, AN

Stavrianidi, AK Buryak

Journal of Chromatography A

Citations: 2

2021 Fused 1,2-Diboraoxazoles Based on closo-Decaborate Anion-Novel Members of Diboroheterocycle Class VV Voinova, NA

Selivanov, IV Plyushchenko, MF Vokuev, AY Bykov, \dots

Molecules

Citations: 11

Development of ELISA formats for polymyxin B monitoring in serum of critically ill patients

MA Burkin, IA Galvidis, YA Surovoy, IV

Plyushchenko, IA Rodin, ...

Journal of Pharmaceutical and Biomedical Analysis

Citations: 6

2021 Omics Untargeted Key Script: R-Based Software Toolbox for Untargeted Metabolomics with Bladder Cancer Biomarkers Discovery Case Study IV Plyushchenko, ES Fedorova, NV Potoldykova, KA Polyakovskiy, ...

Journal of Proteome Research

Citations: 2

2021 Untargeted and targeted analysis of sarin poisoning biomarkers in rat urine by liquid chromatography and tandem mass spectrometry

MF Vokuev, TM Baygildiev, IV Plyushchenko, YA Ikhalaynen, ...

Analytical and Bioanalytical Chemistry

Citations: 0

2020 Monoammonium phosphate effects on glyphosate in soils: mobilization, phytotoxicity, and alteration of the microbial community NA Kulikova, AD Zhelezova, MG Voropanov, OI Filippova, ...

Eurasian Soil Science

Citations: 6

2020 Algorithm of combining chromatography mass spectrometryuntargeted profiling and multivariate analysis for identification of marker-substances in samples of complex composition IV

Plyushchenko, DG Shakhmatov, IA Rodin

Industrial laboratory. Diagnostics of materials

Citations: 3

An approach for feature selection with data modelling in LC-MS metabolomics I Plyushchenko, D Shakhmatov, T Bolotnik, T Baygildiev, PN Nesterenko, ...

Analytical Methods

Citations: 3

2020 The Degradation of Glyphosate and Its Effect on the Microbial Community of Agro-Sod-Podzolic Soil under Short-Term Model Experiment Conditions NA Kulikova, AD Zhelezova, OI Filippova, IV

Plyushchenko, IA Rodin

Moscow University Soil Science Bulletin

Citations: 2

2019 Use of chemometric methods of data analysis for the identification and typification of petroleum and petroleum products TA Bolotnik, YV Timchenko, IV Plyushchenko, VV Levkina, AV Pirogov, ...

Journal of Analytical Chemistry

Citations: 4

2018 Identification of spillages of semi-volatile hydrocarbon fuels in soils by gas chromatography—mass spectrometry TA Bolotnik, IV Plyushchenko, AD Smolenkov, AV Pirogov, MV Popik, ...

Journal of Analytical Chemistry

Citations: 1

Publications list was generated by Google Scholar (https://scholar.google.com/citations?hl=user=Mz4nxtwAAAAJ)