Based on the provided CV of **Mgr. Ivona Voráčová, Ph.D.**, she appears to be a **strong candidate** for a *Best Researcher Award*, particularly in the field of analytical chemistry and bioanalytical methods. Here's an evaluation of her suitability, based on key criteria often used in such awards:

✅ Strengths Supporting Nomination

1. Strong Research Output

- **H-index of 11**, which is respectable and reflects a sustained contribution to her field.
- A consistent publication record with **high-quality journals** like *Analytical Chemistry*, *Analytica Chimica Acta*, *Scientific Reports*, *Journal of Separation Science*, and *Journal of Chromatography A*.
- Her top publications focus on **cutting-edge topics** like **epitachophoresis**, **3D printed microfluidic devices**, and **advanced bioanalytical methods**.

2. Technological and Application Impact

- Co-inventor on several **U.S. patents**, indicating a strong translational aspect of her research, especially relevant for awards that value **applied science**.
- Noteworthy industrial collaborations (Roche, Agilent, Vellum) further underscore her impact beyond academia.

3. International Engagement & Grants

- Has participated in **bilateral international projects**, including with Korea and Spain.
- Secured grants from **both public and private sources**, showing trust in her capabilities from multiple sectors.

4. Recognition and Awards

- **Best Poster Awards** at international conferences (2019, 2020).
- Early-career recognition with a **Dean's Prize** in 2005.

5. Innovation in Analytical Techniques

- Her work on **epitachophoresis** appears to be **pioneering** in terms of both methodological development and real-world applicability.
- Development of **3D printed devices** for analytical purposes shows forward-thinking and interdisciplinarity

🏅 Conclusion

Ivona Voráčová, Ph.D. is a highly suitable candidate for the *Best Researcher Award*, especially in a category focused on **applied analytical chemistry**, **method development**, or **translational bioanalytics**. Her career reflects a **balanced combination of scientific innovation, industrial collaboration, and real-world impact**, all of which are core criteria for such an award.

Ivona Voráčová

https://orcid.org/0000-0002-2885-5583

Works (30 of 30)

Biological Sample Desalting and Buffer Replacement Based on Electromigration in a Discontinuous Electrolyte System Using a 3D Printed Device

Analytica Chimica Acta

2025-05 | journal-article

DOI: 10.1016/j.aca.2025.344198

Source: Crossref

Epitachophoresis – A Method for the Extraction of Biomacromolecules from Complex Biological Matrices

Chemické listy

2023-10-15 | journal-article

DOI: 10.54779/chl20230634

Source: Crossref

EPITACHOPHORESIS- METHOD FOR EXTRACTION OF BIOMACROMOLECULES FROM COMPLEX MATRICES

New perspectives on analytical chemistry

Chemicke Listy

2023 | journal-article

WOSUID: WOS:001090176900007

Source: Web of Science Researcher Profile Sync

Preparative protein concentration from biofluids by epitachophoresis

Journal of Chromatography A

2022-12 | journal-article

DOI: 10.1016/j.chroma.2022.463591

Source: Crossref

Current applications of CE-MS for the analysis of biologically important analytes in urine (2017 - mid 2021). A review

Journal of Separation Science

2021-09-19 | journal-article

DOI: 10.1002/jssc.202100621

Source: Crossref

3D printed device for epitachophoresis
Analytica Chimica Acta
2021 | journal-article
DOI: 10.1016/J.ACA.2021.338246
WOSUID: WOS:000668323300003
Source: Web of Science Researcher Profile Sync

Epitachophoresis is a novel versatile total nucleic acid extraction method
Scientific Reports
2021 | journal-article
DOI: 10.1038/S41598-021-02214-1
WOSUID: WOS:000722007100085
Source: Web of Science Researcher Profile Sync

Macrofluidic Device for Preparative Concentration Based on Epitachophoresis
Analytical Chemistry
2019-06-04 | journal-article
DOI: 10.1021/acs.analchem.8b05860
Source: Crossref

Preparative concentration of nucleic acids fragments by capillary isotachophoretic analyzer
Journal of Chromatography A
2018 | journal-article
DOI: 10.1016/J.CHROMA.2018.03.021
WOSUID: WOS:000430779500012
Source: Web of Science Researcher Profile Sync

Preparative DNA Concentration by Epitachophoresis
Public Health Genomics
2018 | journal-article
WOSUID: WOS:000444904500049
Source: Web of Science Researcher Profile Sync

Recent progress in nucleic acids isotachophoresis
Journal of Separation Science
2018 | journal-article
DOI: 10.1002/JSSC.201700878
WOSUID: WOS:000419514100011
Source: Web of Science Researcher Profile Sync

Quantum dots as chemiluminescence enhancers tested by sequential injection technique: Comparison of flow and flow-batch conditions
Journal of Luminescence
2017 | journal-article
DOI: 10.1016/J.JLUMIN.2016.12.030
WOSUID: WOS:000394401300033
Source: Web of Science Researcher Profile Sync

Determination of ζ-potential, charge, and number of organic ligands on the surface of water soluble quantum dots by capillary electrophoresis
Electrophoresis
2015 | journal-article
DOI: 10.1002/ELPS.201400459
WOSUID: WOS:000351549900003
Source: Web of Science Researcher Profile Sync

Analysis of Quantum Dots and Their Conjugates by Capillary Electrophoresis with Detection of Laser-Induced Luminescence
Methods in Molecular Biology
2014 | journal-article
DOI: 10.1007/978-1-4939-1280-3_3
WOSUID: WOS:000343087500004
Source: Web of Science Researcher Profile Sync

Dissociation kinetics study of copper(II) complexes of DO3A, DOTA and its monosubstituted derivatives
Polyhedron
2013 | journal-article
DOI: 10.1016/J.POLY.2013.05.042
WOSUID: WOS:000322938100014
Source: Web of Science Researcher Profile Sync

Capillary electrophoresis immunoassays with conjugated quantum dots
Electrophoresis
2011 | journal-article
DOI: 10.1002/ELPS.201000652
WOSUID: WOS:000290586200016
Source: Web of Science Researcher Profile Sync

Conjugation reactions in the preparations of quantum dot-based immunoluminescent probes for analysis of proteins by capillary electrophoresis
Analytical and Bioanalytical Chemistry
2011 | journal-article
DOI: 10.1007/S00216-011-4700-5
WOSUID: WOS:000289000300009
Source: Web of Science Researcher Profile Sync

PREPARATION OF HIGHLY LUMINESCENT CDTE QUANTUM DOTS AND ITS PROBES
NANOCON 2011
2011 | journal-article
WOSUID: WOS:000306686700006
Source: Web of Science Researcher Profile Sync

IMMUNOFLUORESCENT LABELING OF TISSUES AND FREE CELLS VIA QD-PROTEIN CONJUGATES
NANOCON 2010, 2ND INTERNATIONAL CONFERENCE
2010 | journal-article
WOSUID: WOS:000286656400035
Source: Web of Science Researcher Profile Sync

Metal Complexes of 4,11-Dimethyl-1,4,8,11-tetraazacyclotetradecane-1,8-bis(methylphosphonic acid) - Thermodynamic and Formation/Decomplexation Kinetic Studies
European Journal of Inorganic Chemistry
2009 | journal-article
DOI: 10.1002/EJIC.200900358
WOSUID: WOS:000269395800008
Source: Web of Science Researcher Profile Sync

PREPARATION, PHYSICO-CHEMICAL PROPERTIES AND APLLICATION OF NANOPARTICLES IN BIOANALYSES
NANOCON 2009, CONFERENCE PROCEEDINGS
2009 | journal-article
WOSUID: WOS:000277025600046
Source: Web of Science Researcher Profile Sync

Dissociation kinetics study of Ce(III) complexes with H(8)dotp (H(8)dotp=1,4,7, 10-tetraazacyclododecane-1,4,7, 10-tetrakis (methylphosphonic acid))
Journal of Alloys and Compounds
2008 | journal-article
DOI: 10.1016/J.JALLCOM.2007.04.052
WOSUID: WOS:000253600400007
Source: Web of Science Researcher Profile Sync

Formation and dissociation kinetics of Eu(III) complexes with H(5)do3ap and similar dota-like ligands
Polyhedron
2007 | journal-article
DOI: 10.1016/J.POLY.2007.05.014
WOSUID: WOS:000249905900012
Source: Web of Science Researcher Profile Sync

Kinetic study of dissociation of Eu(III) complex with H(8)dotp (H(8)dotp=1,4,7,10-tetraazacyclododecane-1,4,7,10-tetrakis(methylphosphonic acid))
Inorganica Chimica Acta
2007 | journal-article
DOI: 10.1016/J.ICA.2007.05.009
WOSUID: WOS:000249540800013
Source: Web of Science Researcher Profile Sync

Thermodynamic study of lanthanide(III) complexes with bifunctional monophosphinic acid analogues of H(4)dota and comparative kinetic study of yttrium(III) complexes
Dalton Transactions
2007 | journal-article
DOI: 10.1039/B613404A
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Thermodynamic, kinetic and solid-state study of divalent metal complexes of 1,4,8,11-tetraazacyclotetradecane (cyclam) bearing two trans (1,8-)methylphosphonic acid pendant arms
Dalton Transactions
2006 | journal-article
DOI: 10.1039/B603251F
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Spectroscopic characterization of Eu(III) complexes with new monophosphorus acid derivatives of H(4)dota
Journal of Fluorescence
2005 | journal-article
DOI: 10.1007/S10895-005-2824-8
WOSUID: WOS:000231940700007
Source: Web of Science Researcher Profile Sync

Application of Dipon, (1,4,8,11-tetraazacyclotetradecane-4,11-bis(methylphosphonic acid) as selective complexing agent for determination of copper(II)
Journal of Inclusion Phenomena and Macrocyclic Chemistry
2004 | journal-article
DOI: 10.1023/B:JIPH.0000031106.78291.18
WOSUID: WOS:000221931100003
Source: Web of Science Researcher Profile Sync

Selective kinetic determination of Cu2+ with tetraazamacrocyclic bis(methylphosphonate) ligand (Dipon)
Microchimica Acta
2004 | journal-article
DOI: 10.1007/S00604-004-0245-Z
WOSUID: WOS:000224411700002
Source: Web of Science Researcher Profile Sync

High thermodynamic stability and extraordinary kinetic inertness of copper(II) complexes with 1,4,8,11-tetraazacyclotetradecane-1,8-bis(methylphosphonic acid): Example of a rare isomerism between kinetically inert penta- and hexacoordinated copper(II) complexes
Chemistry - A European Journal
2003 | journal-article
DOI: 10.1002/CHEM.200390017
WOSUID: WOS:000180368600020
Source: Web of Science Researcher Profile Sync

Peer review (2)

- review activity for **Analytica chimica acta. (1)**
- review activity for **Electrophoresis. (8)**

Record last modified May 16, 2025, 12:15:24 AM